ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1906.

(1905-1906.)

MADRAS:

PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1906.

TABLE OF CONTENTS.

Chapter I.—Constitution of State Forests.

	Para.	Page
1. Alteration in Area—		
Areas—		
Changes during the 12 months.	1	1
Details of the changes in areas.	2	2 & 3
2. Forest Settlement—		
Progress in Settlements and Outturn of Work by Special Forest Settlement-officers and by Revenue Divisional-officers.	3	3
3. Demarcation—		
Lengths demarcated and cost of permanent demarcation ..	4	3
4. Forest Surveys—		
(*a*) By Survey of India Parties.	5	3 & 4
(*b*) By Departmental Survey ..	6	4 & 5

Chapter II.—Management of State Forests.

	Para.	Page
1. Regulation of Management—		
(*a*) Preparation and Control of Working-plans	7–9	5–7
(*b*) Annual Plans of Operations ..	10	7 & 8
2. Communications and Buildings..	11	8 & 9
3. Protection of Forests—		
(*a*) General Protection	12–16	10 & 11
(*b*) Protection from fire	17& 18	11–14
(*c*) Protection from cattle ..	19& 20	14 & 15
(*d*) Protection of growth against injuries from natural causes.	21	16 & 17
4. Sylviculture—		
(*a*) Natural Reproduction ..	22	17–20
(*b*) Artificial Reproduction ..	23	20–23
(*c*) Operations for the improvement of Growing stock ..	24& 25	23 &24
(*d*) Experiments	26	24–26
5. Exploitation—		
(*a*) System of Exploitation—		
(i) Major forest produce—		
(1) Clear or Regeneration Fellings	27	27
(2) Selection Fellings ..	28	27
(3) and (4) Improvement and Coppice Fellings..	29	27 & 28
(5) Unregulated Fellings ..	30	28
(ii) Minor forest produce—		
(1) Miscellaneous produce.	31	28 & 29
(2) Extraction of Fodder..	32	29 & 30
(3) Hay-making	33	30
(4) Grazing	34	31
(*b*) Agency of Exploitation—		
(i) By Departmental Agency.	35	31 & 32
(ii) By Purchasers .. .. Confiscated Produce ..	36	32 & 33
(iii) By Right-Holders .	37	33
(iv) By Free Grantees ..	38	33
(*c*) Outturn and sources of Forest Produce	39	34

Chapter III.—Financial Results.

	Para.	Page
Revenue and Expenditure	40	34–36

Chapter IV.—Administration.

	Para.	Page
General	41	36 & 37
Conduct of Establishment—		
(i) Executive staff	42	37
(ii) Protective staff	43	37 & 38
(iii) Ministerial establishment.	44	38
Health of the Establishment ..	45	38
Relations between Revenue and Forest Officials	46	38
Service Books	47	38
Tours of the Forest Member ..	48	38
Conservators' Inspections ..	49	38
Touring of District Forest-officers.	50	38 & 39
Inspection of Range offices by District Forest-officers ..	51	39
Audit of the accounts of the District Forest offices	52	39
Forest College, Dehra Dun ..	53	39
Forest school, Coimbatore ..	54	39
Work and services of Superior officers	55	39-41

Chapter V.—General.

	Para.	Page
Realization of revenue from the usufruct of toddy-yielding trees on Government waste and Poramboke Lands	56	41 & 42
Measures adopted to encourage the growth of manure — leaf yielding trees and shrubs ..	57	42
Rules under the Forest Act .	58	43
Rules under Section 26 of the Forest Act	59	43
Inventory of valuable stock ..	60	43
Rain-gauges	61	43
Supply of Forest Produce to meet the wants of the people ..	62	43 & 44
Cultivation in Reserved Forests ..	63	44
Suits	64	44 & 45
Elephants	65	45
The Saw-mill at Mount Stuart ..	66	45
The wire ropeway at Mount Stuart	67	45
Mica, etc.	68	46–48
Forest Museum	69	48

APPENDICES.

	Page.
Appendix A—District areas and Forest Reserves	i
Do. B—Reserved Forests in square miles	ii
Do. C—Particulars of balance of lands under Settlement	iii to v
Do. D—Causes of delay in the submission of final Notifications of Forest Reserves	vi
Do. E—Reserved Lands not under Settlement in square miles	vii
Do. F—Abstract of District Reports in regard to the maintenance of Maps ..	viii & ix
Do. G—Statement showing the area of Forests Reserve for which final Maps have been prepared	x
Area of Reserved Forests and Reserved Lands (No. 44)	xi to xvii
Progress made in, and expenditure incurred on, Forest settlements during 1904–1905 (No. 45)	xviii to xxv
Record of demarcation and maintenance of boundaries (No. 46)	xxvi
Forest Areas Surveyed and under Survey (No. 47)	xxvii & xxviii
Progress made in Working-Plans (No. 48)	xxix
Communications and Buildings (No. 49)	xxx to xxxvii
Register of Breaches of Forest Rules (No. 50)	xxxviii to xlv
Appendix to No. 50	xlvi to xlviii
Area of Forest Tracts protected from Fire (No. 51)	xlix to lxvii
Areas open and closed to grazing (No. 52)	lxviii
Statement of grazing in Reserved Forest and Reserved lands (No. 53)	lxix to lxxiii
Area of plantations, cultural operations and Topes (No. 54)	lxxiv & lxxv
Statement showing the Outturn of Timber and Firewood and Agency of Exploitation (No. 55)	lxxvi to xci
Outturn of Minor Forest Produce (No. 56)	xcii
Account of Timber, &c., in Depots and sold locally (No. 57)	xciii to xcv
Abstract showing the value of Timber and other Produce at Depots (No. 58) ..	xcvi to xcix
Summary of Revenue and Expenditure (No. 59)	c to cvii
Abstract of the above prepared in the Board's office	cviii & cix
Outstandings and Liabilities on account of Contractors and Disbursers (No. 60) ..	cx
Do. on account of Revenue (No. 61)	cxi
Statement of Financial results (No. 62)	cxii
Return of Elephants (No. 63)	cxiii to cxv
Abstract showing the value of Live-stock, Stores, Tools and Plant (No. 64) ..	cxvi to cxix
Statement showing the results of Transport of Wood by Tramways compared with the Transport by Carts (No. 65)	cxx to cxxiii
Timber and other Produce cut and collected and removed by Consumers (No. 72 A, Old Code)	cxxiv
Timber and other Produce confiscated and sold (No. 72 B, Old Code)	cxxv

REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1906.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

1. Alteration in Area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1905.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1906.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle.					
Reserved forests	6,443	(a) 32	..	+ 32	6,475
Do. lands	393	(b) 9	(c) 1 (d) 17 (e) 32	— 41	352
Total ..	6,836	41	50	— 9	6,827
Central Circle.					
Reserved forests	7,032	(a) 37 (c) 1	..	+ 38	7,070
Do. lands	222	(b) 2	(d) 7 (e) 37	— 42	180
Total ..	7,254	40	44	— 4	7,250
Southern Circle.					
Reserved forests	4,632	(a) 119 (c) 2	(c) 8 (f) 2	+ 111	4,743
Do. lands	904	(b) 2	(c) 10 (d) 4 (e) 119 (f) 8	— 139	765
Total ..	5,536	123	151	— 28	5,508
Total.					
Reserved forests	18,107	191	10	+ 181	18,288
Do. lands	1,519	13	235	— 222	1,297
Grand Total ..	19,626	204	245	— 41	19,585

(a) Transferred from reserved lands.
(b) Newly constituted reserved lands.
(c) Revision of area.
(d) Excluded at settlement.
(e) Transferred to reserved forests.
(f) Disafforested or unreserved.

2. The total area under the control of the department fell during the year from 19,626 to 19,585 square miles. The decrease is due to the fact that portions of some of the areas previously proposed or selected for reservation were given up during the year in order to provide the neighbouring villagers with sufficient margin of unreserved waste land for extension of cultivation and for the exercise of communal privileges.

Reserved Forests.

One-hundred and eighty-eight square miles were newly constituted Reserved Forests during the year which, added to 3 square miles found in excess on a more correct computation of the areas notified in previous years, bring up the increase under this head to 191 square miles. On the other hand, an extent of about 2 square miles in the Nilgiris eastern slopes reserve of the *North Coimbatore* division, being found suitable and necessary for cultivation, was disafforested and 8 square miles had to be deducted in the same division owing to a more correct computation of areas. There was thus a net addition of 181 square miles during the year.

Reserved Lands.

The total area of reserved lands at the end of the year including 13 square miles newly added during the year was 1,297 square miles, of which 919 square miles were lands notified under section 4 and the remaining 378 square miles, lands reserved under the rules framed under section 26 of the Forest Act. The decrease of 235 square miles is due to the transfer of 188 square miles to reserved forest, to the abandonment of 36 square miles excluded at settlement for cultivation purposes and to the deduction of 11 square miles on account of revision of area.

As settlement now is drawing to a close, it is possible to state approximately the total area of forests which will eventually be declared permanent State forests. Thus we find that the total area of reserved forests and reserved lands in the Presidency is 12,534,430 acres. Adding to this the estimated area of 92 square miles (58,880 acres) which will be brought under reservation, the total forest area will eventually be 12,593,310 acres. The total area of the Presidency excluding feudatory and tributary states being 90,656,811 acres, the percentage of the total forest area to the Presidency area is 13·89 only. On the other hand, the percentage of the forest area to the total area excluding zamindari, whole inam villages and minor inams in ryotwari tracts is as much as 22·59. As, however forests in zamindari and inam tracts cannot be relied on as forming a portion of the permanent forest area of the country, many of the zamindari forests having already been wholly or partially destroyed, the first-named percentage is the one which should be used in comparing the percentage of forests of the Presidency with a similar percentage in other countries. The percentage of forest to other area in the principal countries of Europe is as follows :—

Name of Country.	Area (hectares) (a hectare being equal to a little more than twice as many acres).	Percentage as compared with the country's whole area.
Whole of Europe	285,000,000	Nearly 30 per cent.
Russia	215,000,000	" 40 "
Sweden	17,000,000	" 38 "
Austria } Hungary }	18,000,000	" 30 "
Germany	14,000,000	" 26 "
Norway	8,000,000	" 24 "
France	9,500,000	" 17 "
England	188 000	" 3 "

It will be observed therefore that excepting England all the countries of Europe show a higher percentage of forest than will eventually be found in this Presidency; Russia having nearly three times a greater percentage, while that of Germany is nearly twice as much. Considering the now well-known and proved fact that there is an increase of 23·9 per cent. in the average annual rainfall over a period of 30 years in forest areas as compared with that on adjoining open or cultivated land; and the further proved fact that this percentage increases with the elevation up to a limit of about 7,000 feet, it might be well to further consider before it is too late whether all that is possible has been done to bring under permanent protection all large areas of hill and other forests in this Presidency, whether situated in Government or zamindari land.

2. Forest Settlement.

3. One hundred and ten blocks covering an aggregate area of 1,110 square miles remained to be constituted reserved forests at the commencement of the year and adding to this, new selections, namely, 32 blocks with an area of 32 square miles, there were on the whole 142 blocks comprising an area of 1,142 square miles to be dealt with during the year. Fifty-eight blocks covering an area of 188 square miles were constituted reserved forests and three blocks with an area of 3 square miles were abandoned in addition to 28 square miles excluded at settlement and 4 square miles deducted on account of a more correct computation of the area of some of the blocks notified in previous years, leaving 81 blocks with an area of 919 square miles to be declared reserved forest at the close of the year. Of these, 14 blocks comprising 23 square miles were notified under section 16 in 1905-1906, their reservation taking effect only after the close of the year, 4 blocks with an area of 16 square miles have since been finally notified under the same section and 33 blocks covering an area of 802 square miles have been practically settled, leaving 30 blocks with an area of 78 square miles to be settled. All these blocks are now being settled by the Revenue Divisional Officers, as the services of the Special Forest Settlement Officers were dispensed with from 1st April 1906.

The cost incurred during the year on account of the pay of the Special Forest Settlement Officers and their establishments and for the payment of compensation for private lands included within the reserves, etc., amounted to Rs. 22,475 exclusive of the cost of the Special Forest Settlement establishment entertained by the Board of Revenue.

Besides the 78 square miles mentioned above, 184 square miles of reserved lands in *Vizagapatam* and *South Canara* and 92 square miles of unreserved lands in *Anantapur* and *North Coimbatore*, or a total of 354 square miles remained to be settled at the close of the year.

3. Demarcation.

4. Six hundred and eight miles of boundary lines were demarcated at a cost of Rs. 10,851 against 1,753 miles at a cost of Rs. 18,749 in the previous year. The shorter outturn is mainly due to the work in several districts approaching completion. The average cost per mile for the Presidency was Rs. 17-13-6 against Rs. 10-11-1 in the previous year. The increased rate is chiefly due to stone slabs being used instead of cairns in *Gódávari*, *Kurnool East* and *Bellary*, as well as to the cutting of new lines in thick forest in the last-named district. There remained at the close of the year 965 miles still to be demarcated. The system adopted in demarcating the boundaries of reserved forests was as usual, clearing the lines and constructing cairns or planting stone slabs. A total length of 5,981 miles was cleared at a cost of Rs. 21,631 against 5,552 miles at a cost of Rs. 13,958 in the previous year. A length of 6,341 miles was cleared free of cost by Forest subordinates against 6, 18 miles in the previous year.

4. Forest Surveys.

(*a*) *By Survey of India Party.*

5. During the year No. 19 Party continued the survey operations under the control of Mr. Hall, Deputy Superintendent, and as in previous years was divided into sections, each under the immediate control of a Provincial officer. The outturn of the work was as follows :—

District.	Triangulation square miles.	Traversing Linear miles.	Topography square miles.	
			Total.	Reserve Forests.
Gódávari	..	..	297·18	205·56
North Malabar	2,150	24·7	147·60	102·90
South Canara	..	..	46·67	19·50
Ganjám	70	..	288·58	205·04
Chingleput	..	..	51·76	39·82
Mysore-South Canara boundary ..	..	149	..	..
Total ..	2,220	173·7	831·79	572·82

The outturn and cost of the operations are compared with those of the two previous years in the following statement :—

Designation of work.	Area surveyed.			Cost rate per square mile.		
	1903-1904.	1904-1905.	1905-1906.	1903-1904.	1904-1905.	1905-1906.
				RS.	RS.	RS.
Triangulation .. .. .. SQ. M.	1,937	1,022	70	9	14	33
Do. . .. .. SQ. M.	..	..	(a) 2,150		..	6
Traversing .. .. .. L. MS.	247	29	174	19	31	28
Topography .. .. .. SQ. M.	803	(b) 886	832	121	125	104

(a) Triangulation for Topography on 2 inches to a mile. The cost has been excluded from the total expenditure.
(b) Inclusive of 135 square miles test survey.

The large increase in the cost-rate of triangulation is due to the small area dealt with and to the fact that it was situated in *Ganjám*, the cost of conveying the triangulator and his men so far from headquarters forming a heavy charge. The decrease under the other items, specially topography, is mainly the result of reduction in the cost of superintendence and decreased expenditure for labour in the *Gódávari* district.

The actual expenditure of the survey year for 4-inch work, including cost of instruments, was Rs. 93,901, as compared with Rs. 1,10,424 in the previous year. The amount debitable to the Forest Department excluding the contribution of 30 per cent. by the Government of India is Rs. 66,499, as against Rs. 77,296 in the previous year. There was some improvement in the general health of the party as compared with the last field season, but the sections working in *North Malabar* and *Ganjám* suffered considerably from malaria. The season's work in all districts was verified by the District Forest Officers at the headquarters of the party at Bangalore. In *South Canara* and *Ganjám*, the verifications have not been finally completed, which will necessitate a large number of sheets being withheld from publication. Of the *Gódávari* district, 37 sheets will be submitted for publication and two withheld for further verification. Of the *Ganjám* district, six sheets will be submitted for publication and ten withheld for further survey and adjustment of boundaries. Of the *North Coimbatore* revision survey, eight sheets of arrears work have been mapped and will be submitted, thus completing this district. Of the *South Canara* district, fourteen are ready for publication. The sheets of *North Malabar* have not been drawn and perhaps it will not be necessary to map them on the 4-inch scale, as the work is now being incorporated with the survey which, in future, will be done on the 2-inch scale. Of the *Guntúr* district, one sheet was mapped and submitted for final publication. Of the *Chingleput* district, the four sheets surveyed have been mapped and sent for final publication.

A Conference was held at Bangalore during September 1905, at which the Conservators of Circles, the Deputy Director, Madras Revenue Survey, the Superintendent of Forest Surveys and the Officer in Charge No. 19 Party, Survey of India, were present to discuss the future programme and scale of Forest Surveys in the Presidency. Proposals were made and accepted by Government. They are: (1) that, after the field season of 1905–1906, the 2-inch surveys executed in connection with the general topographical survey of the country should be deemed to suffice for Forest Administration purposes; the cost of these surveys, it is understood, will be borne by the Imperial Revenues; (2) that a theodolite traverse of all external forest boundaries not already traversed by the Madras Revenue Survey should be carried out; (3) that as a special case the survey of the forests of Ganjám should be completed on the scale of 4-inch =1 mile.

(b) By Departmental Survey.

6. In *Ganjám*, a local surveyor was employed in surveying and mapping the country between the Mohiri hills and Berhampur and in preparing various small sketches and maps for departmental purposes. The surveyor in *Guntúr* surveyed 125 square miles, 104 of which were done with interior details for the preparation of working plans and the remainder included boundaries only. In *Kurnool West*, the surveyor-draftsman was as usual engaged in surveying the unsurveyed fields and fixing their correct positions in the reserve maps, and also in checking the discrepancies pointed

out by the Kurnool Resurvey Party in respect of the boundaries of some reserves and in marking the area burnt in Velgode Range in the Survey of India sheets. In *North Salem*, two surveyors were employed. They were engaged in tracing the two ghât roads and deviations in Tirumalaivadi-Kesaraguli road, in surveying certain smaller reserves not surveyed by Survey of India by theodolite and also enclosures in reserves and in checking reserve boundaries. In *South Salem*, two surveyors were employed during the year. One of them was engaged in surveying the coupes felled and to be felled in the Salem East and West ranges and the leased areas in reserves cultivated with special products, and the other in surveying two of the reserves not surveyed by the Survey of India Party. The plans and measurement books for these have been received and are being checked in the District Forest Office. In *South Canara* a surveyor was employed for a greater part of the year to help the Special Forest Settlement Officer. In *North Coimbatore*, 2·2 miles of chain and compass boundary survey of the area in the Bellaji Shola granted to Mr. R H. Morris for rubber cultivation was carried out by the District Forest Officer and Range officer, Kollegal. In *South Coimbatore*, the surveyor completed the survey of the outer boundaries of five coffee estates and also the cleared areas of four others. In *Madura*, a surveyor of the Madras Survey Department was deputed towards the close of the year to survey the unauthorized cultivation in reserved forests of the Tandigudi Range.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation and Control of Regular Working Plans.*

7. During the year working plans for 110 square miles were sanctioned by the Board and plans for 1,064 square miles were under preparation. Compared with the previous year, the outturn was less under both the heads and considerably so under the former. This is chiefly owing to there having been no special working plans officers at work during the year, except for six months in the Southern Circle, and partly to District Forest Officers having had no time to devote to this work, as their time was fully monopolized by their current duties which were heavier than usual in most districts owing to the increase in departmental working. Further, experience has shown that it is often advisable to test working plans by actual working before submitting them for sanction and this procedure necessitated several plans being returned to District Forest Officers instead of being submitted to the Board for sanction. An expenditure of Rs. 1,530 was incurred in connection with the work as against Rs. 2,118 in the previous year. The area for which working plans have still to be prepared is estimated to be 9,723 square miles. The Board has recently ordered special attention to be paid to the preparation of rough provisional plans wherever possible.

The prescriptions of the working plans were generally adhered to, except for some deviations in connection with the area worked or the year prescribed for working, and these were in most cases sanctioned by the Conservators. In the *Northern Circle*, the working plan for the Augastinowgam plantation in *Ganjám* had to be departed from owing to the ravages of the borer and the root fungus, and that for the Mohiri hills was only partly carried out as it requires revision. In other cases, the deviations were due partly to want of preliminary preparation and partly to want of bidders for coupes. In the *Central Circle*, the following deviations were sanctioned by the Board:—(1) the alteration in respect of the area and years of working of Kávali and Sríharikóta working plans in *Nellore*, and (2) in the rotation of bamboo working circles of Gudiyáttam and Palmanér ranges in *North Arcot*. In *North* and *South Salem* and *North Arcot*, the plans were in arrears owing to the department having lost the railway fuel contract, with a view to meet which the plans were principally prepared. It is hoped, however, that the introduction of the depot system, and the departmental working of coupes for the supply thereof will make up these deficits and that the working will be brought up to date in some years. In the *Southern Circle*, the deviations in the plans of *North* and *South Coimbatore* are due to the plans being mostly found unworkable, and in *North Malabar* owing to large quantity of timber remaining on hand on account of the delay in obtaining the consent of the Mysore Durbar to the opening of depots in Mysore for the sale of the Wynaad timber.

The revised working plan for the Nilambúr teak plantations was sanctioned by the Board, and that for the Sandúr leased forests in Bellary was given effect to and is being worked in accordance with the prescriptions laid down.

The following plans are reported to require revision :—The working plan for the Mohiri hills in *Ganjam* and Talamalai range working plan in *North Coimbatore.* In the case of Méttupálaiyam and Bolampatti plans in *South Coimbatore* and the sandalwood plans in *North Coimbatore* reported in the previous year, the necessary data for the revision were collected and reconnaissance reports for some were also submitted and approved by the Conservator. The working plan for the Nandyal and Velgode working circles in *Kurnool West* returned by the Board was discussed at the conference in September last, and its revision was under consideration. Data for the revision of the sandalwood working plans of the Talamalai and Bhaváni ranges were collected, but the actual revision could not be undertaken within the year.

Only one original working plan was sanctioned during the year, namely, the one for the Átur range in *South Salem*, the system of working prescribed therein being *improvement fellings* in all bamboo areas and in certain timber and fuel working circles and *coppice with standards* in others, while manure leaf is to be supplied from pollarded coupes to be coppiced after five years of this treatment.

8. The following working plans were under preparation during the year :—

Northern Circle.—In *Vizagapatam*, working plans for 118·47 square miles were in progress. The working plans for the Peddápur range in *Gódávari* and for a portion of Yerramalais in *Kurnool West* were prepared and since submitted to the Board for sanction. Those for Rajahmundry range in *Gódávari* and for 55 square miles in Bellary range and 38 square miles of Rayadrug range in *Bellary* were completed, but were not submitted for sanction, pending results of test working of other similar plans in the district and the final settlement of a question relating to the decision of ranges to which they relate.

Central Circle.—A combined working plan prepared for the two ranges in the *Chingleput* district is under trial and, when the felling of coupes in conjunction with working of depots has been sufficiently tested and the necessary data collated, it will be submitted for sanction. The working plans for the Javadis, *North* and *South Arcot*, and for the Vellore East range, *North Arcot*, were tentatively introduced during the year and proposals for certain alterations in the former district plans were since submitted and approved by the Conservator. These plans will be submitted for sanction after the lapse of a year or so, when the possibility of working them has been proved. The Kallakurichi working plan was not completed owing to the transfer of Extra Assistant Conservator engaged in connection with it and to the absence of the District Forest Officer on leave.

Southern Circle.—Working plans for the Erode taluk and for the Doddasampagai reserve in *North Coimbatore* were undertaken, but not completed. In *South Coimbatore*, a preliminary plan for 210 square miles of the Upper Anamalai prepared by the Special Working Plans Officer and submitted to the Board, was returned for revision by the District Forest Officer.

(*b*) *Preliminary Working Plan Reports.*

9. *Northern Circle.*— A Preliminary working plan for Polavaram range, *Gódávari*, was under preparation. In *Kistna*, as reported last year, located clearance fellings continued during the year, to create demand and secure necessary statistics for the preparation of preliminary working plan reports. In *Guntúr*, statistics were being collected with a view to bring the further growth in babul areas under some kind of regular working plan. The plan prepared for Kottapatam was returned by the Conservator for revision.

Central Circle.—In *Cuddapah*, the reconnaissance report for Pullampet range received back from Conservator during the previous year was not taken up for preparing the working plan, as the District Forest Officer could not find time to do so; now that the district has been divided, however, progress will be made. In *Nellore*, the Rapur range working plan is still under tentative working. In *North Salem*, the reconnaissance reports for Hosúr and Dharmapuri ranges returned by Conservator and mentioned in last year's report were being modified and tested by coupe and depot working according to instructions given, and in *South Salem* the reconnaissance report

submitted for four reserves of Námakal range was returned by the Conservator for modification in the method of aligning coupe boundaries. In *Trichinopoly*, reconnaissance reports for 91 square miles during the year and for 34 square miles after the close of the year were submitted and approved by the Conservator.

Southern Circle.—Reconnaissance reports for two blocks of 73 square miles in Bolampatti range, *South Coimbatore*, were submitted to the Conservator and approved by him. In the *Nilgiris*, Mr. Cowley-Brown's report on the valuation surveys of the Eucalyptus plantations was submitted, and statistics were being collected for drawing up working plans for reserves requiring them. An enumeration survey of the sandalwood tracts in the Segur range was under preparation. In *Madura*, the preliminary report and map for the working plan for Kodaikánal and Tandigudi ranges were prepared.

(c) *Annual Plan of Operations.*

10. The annual plans of operations were generally adhered to except in the following instances :—

Northern Circle.—In *Ganjám*, the alignment of a circular forest road was abandoned ; the construction of a rest-house in the Kariamba reserve was postponed to next year ; and the supply of agricultural implements throughout Goomsur was not carried out pending the removal of some difficulties in connection therewith. In *Gódávari*, the purchase of a steam-launch was postponed owing to the late receipt by Government of the final design approved of by the Director-General of Stores. In *Guntúr*, several depots were opened and consequently certain works were abandoned to provide funds for departmental coupe fellings. In *Kurnool East*, 15 pairs of bulls provided in the plan were not purchased owing to the unfavourable season, construction of two roads and of a combined Range office for certain ranges were not taken up, the former for want of a competent surveyor to trace and estimate it and the latter owing to the proposed redistribution of ranges. Two tanks also were not repaired pending decision of the question of forming a Public Works Party for the forest engineering works in the Nallamalais. In *Kurnool West*, the alignment and formation of a road had to be stopped owing to the transfer of the Ranger specially deputed for that work. In *Bellary*, sandalwood was not collected departmentally, but certain trees were sold to contractors, and fuel depots in seven places were opened.

Central Circle.—Departmental collection of minor forest produce in Ráyachóti range, *Cuddapah* district, failed as it was not properly attended to for want of time by the Range officer, and it was not possible to discontinue leases of timber and fuel from reserves in Pullampet range as proposed for want of establishment to supervise the work. The Conservator, however, does not accept this explanation as satisfactory, as the Range establishment in Pullampet should be able to do as much as the Range establishment do in this direction elsewhere throughout the Presidency. In *Nellore*, six timber depots were abolished for want of demand and four fuel depots were opened. The proposed Range office building at Kávali was not constructed, as a portion of the new taluk cutcherry was made available for the location of the Range office. Twenty-eight out of the forty-one coupes prescribed for the year in *Chingleput* were not sold for want of demand. They are now being partly worked departmentally. In *North Arcot*, the construction of a few roads and buildings was postponed to provide funds for incomplete and more urgent works. In *South Arcot*, bamboos were leased out instead of being worked departmentally. Some of the new buildings provided were not constructed, as a larger expenditure had to be incurred in repairs and additions than anticipated. Fuel coupe working and construction of roads and buildings were a little short, owing to preparation being behind-hand and to prevalence of plague and frequent change of Range officers and illness. In *Trichinopoly*, the construction of a Deputy Ranger's quarters and shed for guards and watchers was postponed ; the formation of a nursery at Esanai tope and planting in one reserve were abandoned. In *North Salem*, the construction of the ghât road from Anaibiddahalla to Anchetti was not undertaken, as the estimates and plans submitted to Government were returned, proposing certain deviations which are now being traced. Two works, viz., formation of a grass farm in Sanamavu reserve and sinking of a well in Natrapoliem, were not completed for want of rain in the former case and want of labour in the latter. Permanent demarcation of certain reserves was not undertaken, as the subordinates were fully engaged otherwise and as some reserves were not notified under section 16 during the year. In *South Salem*, some fuel coupes and many

timber coupes were not felled for want of a market for fuel and timber, the railway supply for which they were principally intended having ceased. Some of the roads and rest-houses budgetted for were not undertaken or were not completed for want of establishment in some cases, and in others, as they were not immediately required. Neither of these reasons, however, are, in the Conservator's opinion, satisfactory.

Southern Circle.—In *South Canara*, departmental working of fuel coupes was undertaken and the construction of certain out-houses and guards' huts was postponed to provide funds for more urgent works. The difficulties with the Mysore Durbar, already referred to, led to some deviations in *North Malabar* and the construction of Pavagguddai Serambi was postponed, one being built instead at Kolvalli. In *South Malabar*, certain works had to be postponed to supply funds for the supply of renewal of sleepers to the Madras Railway. The supply of timber to Kolar mines and the construction of a bridlepath were also not undertaken and the final demarcation of Silent valley had to be deferred, as it was not finally notified. In the *Nilgiris*, the carting of timber felled for supply to Kolar was not done for want of demand from the mines and on account of complications with the Mysore Durbar regarding opening of depots. In *North Coimbatore*, dead timber was not extracted, as most of that removed in previous years remained unsold, and a road was not repaired, not being considered urgent. In *South Coimbatore*, the proposal to fell and transport bamboos to Tanjore and Trichinopoly was abandoned being unremunerative, while the making of hay, purchase of bulls, metalling ghât road in Tunacadavu range, extension of two cart-tracks in Amroati working circle, construction of certain buildings and rest-houses, reclearing of boundary lines, etc., were not undertaken; other works, such as supply of renewal sleepers to the Madras Railway, manufacture of agricultural implements, spokes, felloes, windows, doors, etc., being undertaken instead; repairs to Nadupatti road, the construction of range office at Mount Stuart were also undertaken, although not provided for in the plan. In *Madura*, increased departmental operations for the supply of fuel to the Madura Mills and to the town fuel depot were undertaken, although not provided for as an operation for the year. In *Tinnevelly*, the chief deviations were the working of a coupe departmentally instead of through a contractor; also the road and building works provided for the year were not fully carried out for want of funds.

2. Communications and Buildings.

11. The following figures show the outlay on communications and buildings during the year under report as compared with those of the previous year:—

	1904–1905.	1905–1906.
	RS.	RS.
Roads and bridges	41,650	47,857
Buildings	70,747	88,531
Other works	15,691	8,407

The increase is noticeable under "Roads and bridges" and "Buildings". That under "Roads and bridges" is distributed mainly over *Cuddapah*, *South Salem* and *North Malabar*; while the increase under "Buildings" over *Gódávari*, *Guntúr* and *Kurnool East and West.*

(*a*) *Roads and Bridges.*

The important works of a permanent nature carried out in the *Northern Circle* were the construction of a road from Edurallapalle to Tekulabaru and another from Yeleswaram to Sododdi and the improvement of a cart-track in Peddápur range, *Gódávari*; and the completion of the road from Chelama to Bundlapanta in *Kurnool East.*

In the *Central Circle*, a road (11 miles) and a bridge were repaired in *Cuddapah*, while a road ($1\frac{3}{8}$ miles) in *Chingleput* was metalled. Pudipatlabylu road and Papasamudram cart-track in *North Arcot* mentioned in last year's report were completed and two new roads were constructed in *Trichinopoly*. In *North Salem*, the road from Denkanikotta to Samieri ($11\frac{1}{4}$ miles) was constructed and another forest road was repaired. In *South Salem*, a road from Atur town to the foot of the Kalroyans and a road joining the plains portion up the Kurumbapatti reserve to the Yercaud ghât road were constructed.

In the *Southern Circle*, the Pavagaddai-Chedleth-Muthanga road (18 miles) in *North Malabar* was completed and the Kottiyur-Kalikayam road commenced. In *South Malabar*, the Karulai bridge on the new Amarampalam road was built and $1\frac{1}{4}$

miles of road in the 1905 plantation was constructed. In *North Coimbatore*, the Kalkadambur-Uganiam road was continued, but not completed; some heavy blasting having still to be done near Uganiam. The tram line at Mount Stuart in *South Coimbatore* was extended by 6 furlongs. In *Tinnevelly*, the Mudaliaruthuchittar bridlepath was extended for 2 miles and 5 furlongs and the first 2 miles of Pápanasam ghât road were metalled and gravelled.

Besides the above, temporary tracks were constructed in most of the districts to facilitate inspections and carting of produce.

Tramways, etc.—The mono-rail introduced in the *Gódávari* district last year continued to work during the year, and as in previous years tramways carried wood in some portions of the districts of *Nellore* and *South Coimbatore*. The results of operations are recorded in Form No. 65. In *Gódávari*, 1,232 tons were carried or 1,192 ton-miles were run against 446 tons or 335 ton-miles in the previous year. Compared with the old system of transporting fuel by coolies, the results of working show a profit of Rs. 792 for the year under report. Deducting the loss of Rs. 328 incurred in the previous year, there was a net profit of Rs. 464 since its introduction. In *Nellore*, 6,425 tons were trammed or 28,912½ ton-miles were run against 7,831 tons or 31,324 ton-miles in the previous year in the Sríharikóta range and 9,156 tons or 13,212½ ton-miles against 10,252 tons or 18,307 ton-miles during the previous year in the Coast range. The decrease in the former range was due to the greater distance the wood had to be carried and that in the latter to the smaller yield of the compartments exploited during the year. Rs. 264 was spent in the purchases and repairs of miscellaneous tram materials. In *South Coimbatore*, the total quantity of timber trammed during the year was 1,612 tons or 7,660 ton-miles against 1,461 tons or 6,183 ton-miles in the previous year, of which 1,102 tons were carried by Government bulls and 510 by hired bulls. The increase was due to the carrying of all logs of previous year's fellings. The construction of a new timber slide in place of the one abandoned in 1902–1903 was under consideration and a line has since been cleared and surveyed. The results of working by tramway show, as in previous years, profit in *Nellore* and loss in *South Coimbatore*.

(*b*) *Buildings*.

The important works of a permanent nature undertaken in the *Northern Circle* were:—the completion of a rest-house at Rambha, out-houses at Russellkonda and a portion of rest-house in Kondalabonda in *Ganjám*; part construction of a Range office at Yelesvaram and construction of a rest-house at Tatilanka in *Gódávari*; part construction of a rest-house in the interior of the Venkatapuram reserve and another in Suryalanka, improvements to the Mogalutla bungalow, extension of Kondaviri hill bungalow, and construction of range quarters at Davupalli and servants' quarters to Remidicherla bungalow in *Guntúr*; the part construction of a bungalow on the tunnel hill in *Kurnool East* and of a Range office and subordinates' quarters at Ernapad in *Kurnool West*, besides six pukka depot buildings in the former district and six in the latter; and completion of Nyalakota rest-house and rebuilding of Chinnakottapalli rest-house taken over from the Local Fund Department in *Anantapur*.

In the *Central Circle*, a Range office at Muttukur and the construction of a rest-house at Kullur near Somasila were in progress in *Nellore*. In addition to the above Malayalapatti rest-house in *Trichinopoly*, a sandalwood godown at Denkanikóta in *North Salem*, out-houses to Harur inspection bungalow, were the chief buildings constructed.

In the *Southern Circle*, the range quarters at Kuppadi in *North Malabar* and Nedumangalam in *South Malabar* were completed and a Serambi and out-house at Kolvalle in *North Malabar* and a rest-house at Rajagopalampatti in *Madura* were constructed. In *South Malabar*, the Attapadi rest-house, reconstructed during the year, was again blown up and the matter was under enquiry. Sirgagandi and Onnathittu resthouses in *North Coimbatore* and Sengalteri bungalow in *Tinnevelly* were commenced and partly constructed during the year.

In addition to the above, several minor works of a permanent nature, such as fuel depots, inspection sheds, forest guards' lines, etc., and temporary structures for storing produce and housing establishment were also constructed during the year.

(c) *Miscellaneous Works.*

The chief works done were the construction or deepening of wells to improve the water supply and the fencing of some topes and reserves and the uprooting of lantana in gardens.

3. Protection of Forests.

(a) *General Protection.*

12. The following statement shows the number and classification of forest offences brought to light during the year :—

Circles.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	25	1,185	503	148	3	1,605	1,219	203	146	113	23	39	174	2,903	1,745	390	5,212
Central ..	9	2,236	1,022	118	2	5,532	3,458	190	270	330	204	11	281	8,098	4,684	319	13,382
Southern ..	39	662	355	206	16	1,778	797	283	146	13	131	1	201	2,453	1,283	490	* 4,427
Total ..	73	4,083	1,880	472	21	8,915	5,474	676	562	456	358	51	656	13,454	7,712	1,199	23,021
Total for 1904-1905.	53	3,957	1,803	494	12	8,905	4,456	599	477	871	237	66	542	13,733	6,496	1,159	21,930

* Exclusive of 175 petty offences, the offenders concerned in which were let off with a warning.

The total number of new cases was 23,021. Compared with the average of the three previous years, the number of cases reported was higher by 708. The increase occurred mainly under " Unauthorized felling " distributed chiefly over *North Arcot*, *South Salem* and *North Coimbatore*. It was stated to be due (1) to better detection of unauthorized fellings from unreserved lands in *North Arcot*, (2) to increased thefts of firewood due to the unfavourable season in *South Salem* and (3) to the increased staff of temporary forest guards sanctioned during the year and partly to greater stress being laid on village officers' responsibility with regard to offences on unreserved lands in *North Coimbatore*. The variations under the other heads are not very noticeable. Under " Fires " and " Other offences " there was an increase of only 132 and 12 cases, respectively, over the average of the three previous years, while that under " Grazing " shows a small fall of 58 cases. There were 1,427 undetected cases against 1,651 in the previous year. The decrease occurred chiefly in *South Arcot* under " Unauthorized felling ".

The number of cases pending at the beginning of the year was 3,874 and at the close 4,129, of which 1,685 were with Magistrates.

13. The following statement shows the result of cases brought to trial :—

Circles.	1904–1905.		1905–1906.		Percentage of failure.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1904–1905.	1905–1906.
Northern	1,254	127	1,256	198	9·19	13·61
Central	3,226	250	3,196	329	7·19	9·33
Southern	779	94	1,010	137	10·76	11·94
Total ..	5,259	471	5,462	664	8·22	10·83

Besides the 6,126 cases shown above, 511 cases were withdrawn under the orders of the District Forest-officers. The percentage of convictions obtained is 89·17 against 91·78 in the preceding year.

14. The following statement compares the number of cases compounded and the compensation fees realized with the figures of the previous year :—

Circles.	1904-1905.		1905-1906.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		RS.		RS.
Northern	2,433	18,582	2,586	30,437
Central	7,646	64,039	8,205	64,962
Southern	2,208	19,523	2,497	21,459
Total ..	12,287	1,02,444	13,288	1,16,858

The number of cases compounded was higher than in the previous year by 1,001 and the amount realized on account of compounding fees was also in excess of the previous year's amount by Rs. 14,414, due to the marked increase in the number of offences compounded and to somewhat heavier compounding fees being imposed as a deterrent punishment in the following districts :—*Guntúr*, *Kurnool East*, *Chingleput*, *North Arcot* and *North Salem*.

15. The punishments inflicted by Magistrates were, on the whole, satisfactory except in *Guntúr* and *South Canara* where some of the fines were neither deterrent nor proportionate to the damage done. As an example, one case of intentional firing, which burnt 45 acres of forest in the latter district, was punished with a fine of Rs. 10 only. Some of the more important cases that occurred are referred to below. In *Guntúr* a coupe contractor was prosecuted for illicit felling and on conviction was sentenced to pay a fine of Rs. 500. In *South Salem*, in a case of illicit removal of 240 sandalwood poles twelve accused were convicted and sentenced to undergo rigorous imprisonments for periods varying from two to four months. The case of illicit removal of sandalwood referred to in the previous year's report to be pending before the Head Assistant Magistrate, Tiruppattúr, had to be withdrawn as the accused absconded, but the sandalwood seized was confiscated. In *North Arcot*, in a sandalwood theft case the accused, five in number, were sentenced to rigorous imprisonment for terms varying from three months to one year. In *Tanjore* there was a noteworthy case of illicit felling with the connivance of the Forest subordinates of 31 casuarina trees in Vettangudi reserve, which ended in the conviction of a forester, a guard and three other persons who were sentenced to undergo imprisonment for periods varying from one day to four months and to a fine of Rs. 1,250 in the aggregate.

16. Rewards to informers were, as usual, sparingly granted. In *North Arcot*, in connection with information connected with a sandalwood case the informant was paid Rs. 50 as the case ended in conviction. In *Tanjore*, in connection with the illicit felling reported above rewards were made to the extent of Rs. 100 to the Police Inspector, Rs. 50 to the Ranger and Rs. 10 to the informant. In *South Canara*, rewards were granted in two cases, one of Rs. 40 to a Revenue Inspector for detecting an important case of illicit manufacture of catechu, and the other of Rs. 15 to a forest guard for detecting a case of illicit transport of timber beyond the limits of his beat at night. In *North Malabar*, some white cedar was illicitly felled in Attapadi reserve and two of the chief accused were fined Rs. 200 and Rs. 100, respectively.

(*b*) *Protection from fire.*

17. The system of fire-protection in all districts except Cuddapah was the same as that adopted in previous years, *i.e.*, fire-tracing of the boundaries, internal fire-line clearing and the appointing of fire-patrols to keep the lines clear and to be on the look out for fires. In Cuddapah, the system of burning a large area of the forest in strips of varying width in order to secure protection of the remainder and with a view to providing fresh grass on the area burnt, was tried. These operations resulted in some 650 miles of strips, covering an area of about 11 square miles, being burnt by the department, in order to secure protection of an area of 691,139 acres in which the operations were tried. It is reported that the year was rather unfavourable to the operations, owing to the amount of grass in the forests, and the average area burnt amounted to 658 acres per fire as against 284 acres in the previous year and 1,872 in 1903-1904. The total

percentage of failure was 10 as against 3·4 in the previous year, while the cost per square mile increased from Rs. 3–6–3 to Rs. 5–10–5. In the remaining portion of this district, the system introduced last year, viz., gangs for the upper hills and single patrols in the village to summon help, was followed and worked fairly well. Special traces were also made round the Tamba areas in the Seshachellam and the Veligondas.

The area of which protection was attempted amounted, as shown in Form No. 51, to 7,208 square miles against 6,509 square miles in the previous year. Of these, 6,772 square miles were successfully protected against 6,350 square miles in the previous year. The proportion of failures rose from 2·4 per cent. in the preceding year to 6·0 per cent. and was due to the comparatively long period of hot weather during the year. The proportion of failures in specially protected areas was also high, being 5·5 per cent. against 3·5 per cent. in the previous year. The cost per square mile successfully protected was Rs. 9–0–6 against Rs. 8–10–11 in the previous year.

18. The following statement shows the number and origin of the fires in the several districts :—

Division or Circle.	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserves or fire-traced areas. Owing to carelessness or accident. By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	8	47	15	1,019	3	42	12	67	..	..	..	..
Vizagapatam	..	..	7	18,828	2	5,203	2	8,320	..	..	..	..
Gódávari	26	13,934	18	10,182	4	120	27	6,101	..	..	..	..
Kistna	..	..	..	..	..	..	2	35	..	..	..	..
Guntúr	..	..	..	..	..	..	5	2,162	..	..	..	..
Kurnool, West	..	..	..	..	..	..	..	..	..	..	..	..
Do. East	20	1,074	2	300	2	1,400	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	.	..	..	..	..
Anantapur	..	..	1	1	..	..	2	14	..	..	..	..
Total, Northern Circle ..	54	15,055	44	30,360	11	6,765	50	16,699		..	..	..
Central Circle.												
Cuddapah	..	..	9	6,400	..	..	..	..	..	..	..	..
Nellore	2	54	3	230	..	..	1	2	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	1	50
North Arcot	1	1,500	19	3,592	..	..	11	579	2	8	..	..
South do.	..	..	1	3	..	..	5	520	..	..	..	..
North Salem	1	3	1	31	..	..	3	577	..	..	..	..
South do.	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	4	1,557	33	10,256	..	..	20	1,678	2	8	1	50
Southern Circle.												
South Canara	3	21	16	1,162	..	..	43	1,015	..	..	..	..
North Malabar	4	3,085	1	3,000	4	5,000	3	150	..	..	..	..
South do.	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	4	1,600	..	..	..	..
North Coimbatore ..	4	33	3	180	..	..	10	4,299	..	..	..	..
South do. ..	3	37	6	766	..	..	3	86	..	..	..	..
Madura	..	..	3	28	..	..	1	50	..	..	..	..
Tinnevelly	1	22	6	653	3	5	..	..	..	..	..	..
Total, Southern Circle ..	15	3,198	35	5,789	7	5,005	64	7,200	..	..	..	..
Total, Presidency ..	73	19,810	112	46,405	18	11,770	134	25,577	2	8	1	50
Total for 1904-1905 ..	24	2,804	63	17,614	18	1,088	83	15,797	1	5	10	2,559

Division or Circle.	C. Fires beginning inside the reserves or fire-traced areas—*cont.*										Total of A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	3	23	9	421	27	553	4 148	546 128,000	203	130,195
Vizagapatam	..	..	3	13,183	..	..	7	26,706	39	18,465	53	63,999
Gódávari	..	..	8	2,000	1	5	40	8,226	31	4,845	115	37,187
Kistna	..	..	..	..	..	..	2	35	..1	..	2	35
Guntúr	..	..	..	..	1	..	6	2,162		2	7	2,164
Kurnool, West	1	3	..	..	7	2,079	8	2,082	..	..	8	2,082
Do. East	..	..	..	..	1	40	3	1,440	3	1,010	28	3,824
Bellary	..	..	..	..	..	..	..	..	24	166	24	166
Anantapur	23	6,962	..	..	1	700	26	7,676	5	33	32	7,710
Total, Northern Circle ..	24	6,965	14	15,206	20	3,245	119	48,880	255	153,067	472	247,362
Central Circle.												
Cuddapah	24	14,406	..	..	2	88	26	14,494	71	48,856	106	69,750
Nellore	5	35	..	..	..	..	6	37	..	..	11	321
Chingleput	..	..	..	..	..	..	1	50	..	..	1	50
North Arcot	102	19,301	2	14	18	1,182	135	21,084	26	5,529	181	31,705
South do.	..	..	..	..	10	968	15	1,488	6	505	22	1,996
North Salem	1	2	..	..	2	250	6	829	10	743	18	1,606
South do.	20	8,656	..	..	..	..	20	8,656	18	3,595	38	12,251
Trichinopoly	..	..	3	114	..	..	3	114	1	20	4	134
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	152	42,400	5	128	32	2,488	212	46,752	132	59,248	381	117,813
Southern Circle.												
South Canara	2	35	4	267	18	1,843	67	3,160	26	4,284	112	8,627
North Malabar	..	..	..	..	6	5,200	13	10,350	4	201	22	16,636
South do.	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	4	1,600	..	..	4	1,600
North Coimbatore ..	..	..	..	..	19	5,979	29	10,278	49	29,724	85	40,215
South do. ..	3	1,648	..	..	2	21	8	1,755	12	2,789	29	5,347
Madura	11	2,386	..	..	1	†..	13	2,436	8	976	24	3,440
Tinnevelly	3	3,000	..	..	18	2,647	24	5,652	4	296	35	6,623
Total, Southern Circle ..	19	7,069	4	267	64	15,690	158	35,231	103	38,270	311	82,488
Total, Presidency ..	195	56,434	23	15,601	116	21,423	489	130,863	490	250,585	1,164	447,663
Total for 1904–1905 ..	187	18,044	9	195	69	12,893	377	50,581	393	155,876	857	226,875

* Fires in partially protected forests. † Reported as not known.

The total number of fires and the area burnt were greater than in the previous year and the increase is noticeable under almost all the heads. There were three times as many fires caused by accident or through carelessness of subordinates in burning fire-lines, the greater number occurring in *Gódávari* and *Kurnool East* due chiefly to the universally severe hot weather that prevailed, and in the former district it was also partly due to the indifferent work of the Rékapalle Range officer who has been reduced in consequence. In *Kurnool East*, however, the area burnt was small owing to the splendid success of the very efficient system of fire-lines cut and fire-traced under Mr. Cox's scheme and to the considerable help rendered by Chenchus in putting out the fires. It is also gratifying to note that these hill tribes are becoming useful forest labourers. In *North Malabar*, where a large area was burnt, a forester was dismissed the service for the apathy shown in connection with this work.

The major number of fires which entered the forests by crossing exterior fire-traces occurred in *Ganjám*, *Gódávari*, *Cuddapah*, *North Arcot* and *South Canara*, while the area burnt by such fires was largest in *Vizagapatam*. The Collector of Vizagapatam attributes the increase to the unfavourable season prevailing during the year, but the Conservator, Northern Circle, considers it to be the result of the non-payment of the rewards by Extra Assistant Conservator Mr. Tapp to the people for protection in the previous season. The increase in the number and area burnt by fires caused by villagers, travellers, etc., passing through the forests is contributed mainly by the districts of *Vizagapatam*, *Gódávari* and *North Coimbatore*. Though the increase in the total number of fires caused intentionally to obtain new grass was slight, the area burnt was considerably greater and is noticeable in *Anantapur*, *Cuddapah*, *North Arcot*, *South Salem*, *Madura* and *Tinnevelly*. This is mainly due to the hot season as already explained. In *Cuddapah*, closure of an area for six months was recommended by the District Forest officer as a punishment. In *North Arcot*, the villagers who were suspected to have set fire to obtain new grass could not be punished for want of evidence that the fire was due to incendiarism or culpable negligence. In *Tinnevelly*, two grazing compartments were closed to grazing and permits cancelled.

The increase in the number of fires caused in order to turn out game and the area burnt occurred mainly in *Vizagapatam* and *Gódávari*. The result of the prosecutions for malicious firing is given in the Appendix to Form No. 50.

(c) *Protection from Cattle.*

19. The areas open and closed to grazing in each district are shown in Form No 52 and the number and kind of animals grazed free or on payment of fees in the reserved forests and lands are noted in Form No. 53. The area closed to all animals during the whole year was 1,503 square miles against 1,621 square miles in the preceding year, and that for a portion of the year 38 square miles against 89 square miles in 1904–1905. The percentages of forests open to grazing and browsing to the whole area are 87 per cent. and 8·8 per cent. respectively. It has to be noted here that the forests of Nellore and Chingleput were, with the exception of specially protected areas, open to free grazing for three months of the year owing to the partial failure of the south-west monsoon.

Goats were excluded from the reserves in all the districts except *Kistna*, *Guntur* and *Bellary* in the Northern Circle, *Cuddapah*, *Nellore*, *Chingleput*, *North Arcot* and *North Salem* in the Central Circle, and *Madura* in the Southern Circle. In *Chingleput* goat-browsing was permitted only in the Royal Artillery range (320 acres) of the Kolathur reserve to keep down the growth. In *North Arcot*, permits for twenty-two goats only were taken apparently owing to the rate of 12 annas per head being considered too high. In *South Salem*, the area open to goats in the previous year was closed on account of the introduction of the working-plan, the unreserved wastes being found sufficient for goat fodder.

20. The following statement gives an analysis of the cattle impounded during this and the previous year with the average of the three years preceding :—

Districts.	From open forests.		From closed forests.				Total.		Average for three years ending 1904–1905.
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.			
	1904–1905.	1905–1906.	1904–1905.	1904–1905.	1905–1906.	1905–1906.	1904–1905.	1905–1906.	
Northern Circle.									
Ganjám ..	225	365	..	1,838	..	1,425	2,063	1,790	2 719
Vizagapatam ..	3,205	3,507	..	..	..	283	3,205	3,790	2,426
Gódávari ..	1,739	860	..	22	..	51	1,761	911	3,189
Kistna ..	12,840	3,499	488	1,517	..	2,572	4,845	6,071	} 8,004
Guntúr ..	4,414	6,983	1,216	2,189	2,386	4,094	7,819	13,463	
Kurnool, East ..	18,564	14,323	..	652	..	618	19,216	14,941	} 33,734
Do. West ..	17,503	24,593	..	328	..	519	17,831	25,112	
Bellary ..	12,318	11,776	..	63	..	72	12,381	11,848	16,826
Anantapur ..	8,208	8,570	103	1,717	200	1,070	10,028	9,840	16,410
Total, Northern Circle ..	69,016	74,476	1,807	8,326	2,586	10,704	79,149	87,766	83,308
Central Circle.									
Cuddapah ..	13,551	7,900	..	7,771	..	4,207	21,322	12,107	33,205
Nellore ..	10,047	9,796	1,233	14,451	824	9,340	25,731	19,960	38,087
Chingleput ..	4,771	8,207	376	428	881	285	5,575	9,373	5,500
North Arcot ..	16,003	17,994	997	6,483	619	9,179	23,483	27,792	26,921
South do. ..	21,797	16,035	59	449	213	310	22,305	16,558	31,771
North Salem ..	2,914	5,984	242	2,975	257	2,532	6,131	8,773	9,169
South do. ..	6,495	6,719	235	1,174	73	1,982	7,904	8,774	9,787
Trichinopoly ..	3,833	5,090	(a) ..	400	..	962	4,233	6,052	8,891
Tanjore ..	261	573	..	24	..	..	285	573	788
Total, Central Circle ..	79,672	78,298	3,142	34,155	2,867	28,797	116,969	109,962	164,119
Southern Circle.									
South Canara ..	1,371	1,188	..	77	..	268	1,448	1,456	1,189
North Malabar ..	156	53	..	9	..	..	165	53	137
South do. ..	..	..	..	39	..	105	39	105	47
The Nilgiris ..	146	859	387	11	234	15	544	1,108	710
North Coimbatore	7,314	5,847	..	1,575	..	2,573	8,889	8,420	7,654
South do.	2,291	1,619	..	47	..	210	2,338	1,829	3,746
Madura ..	11,544	9,192	..	2,560	..	6,543	14,104	15,735	14,971
Tinnevelly ..	1,535	1,543	191	2,951	164	2,655	4,677	4,362	4,362
Total, Southern Circle	24,357	20,301	578	7,269	398	12,369	32,204	33,068	32,807
Grand Total, Presidency ..	173,045	173,075	5,527	49,750	5,851	51,870	228,322	230,796	280,234

The number of animals impounded during the year was 230,796 against 228,322 in the previous year and 280,234, the average of the three previous years. The increase is chiefly noticeable in *Guntúr*, *Kurnool West*, *Chingleput* and *North Arcot*, while a marked decrease is noticeable in the districts of *Kurnool East*, *Cuddapah*, *Nellore* and *South Arcot*. In *Guntúr*, the increase was due to better supervision and to closure for the first time of the Kondavid reserve. In *Chingleput*, the increase was mainly due to the impounding of a larger number of goats on account of better supervision during the latter half of the year. In *North Arcot*, it was due to the employment of a larger number of watchers and guards, while in *Kurnool West* better protection was the cause. The fall in *Kurnool East*, *Cuddapah* and *Nellore* was due to the increased number of cattle licensed during the year, and that in *South Arcot* to less trespass due to better supervision.

(*d*) *Protection against Injuries from Natural Causes.*

21. The most serious injuries from natural causes which the forests and plantations of the department have suffered from during the year are undoubtedly the spike disease in sandalwood in *North Coimbatore* and the fungus (*Trichosporium vesiculosum*) in casuarina which attacked the plantations in *Nellore*, *South Arcot*, *Ganjám*, *Kistna* and *North Arcot*. This latter disease caused great devastation among the younger plantations in *Nellore*, where it was proved by the Conservator to be practically the sole and only cause of mortality which had been previously attributed to drought, borers and other causes. The case was similar in *South Arcot* plantations and all dead trees, many of which had no sign of fungus or other disease on the stem, invariably showed the spores of the fungus to be present on the roots. Rooting out all diseased trees immediately the fungus is detected would appear to be the best remedy at present, while as a preventive measure the planting of casuarina mixed with one or more fast-growing indigenous species such as *Pithecolobium dulcis* would seem to be indicated. No remedy has yet been discovered for the spike disease in sandal, but it has been noticed in Coimbatore that other species have been similarly affected. A brief account of the chief pests from which the forests suffered in the several circles is given below.

Northern Circle.—In *Ganjám*, in addition to the two pests *Trichosporium vesiculosum* and *Arbela tetraonis* in the Agastinowgam plantation, a new boring insect attacking the two-year old seedling was discovered and sent together with damaged specimens to the Imperial Forest Zoologist for identification. His report has not yet been received. The attempt made to stop the ravages of these insects and fungus pests by introducing a variety of tree-growth was persevered with and a large number of seedlings of various trees were successfully reared and planted out. The specimens of beetles damaging the *Xylia* in *Gódávari* were sent to Mr. Stebbing, Forest Entomologist, and identified by him to be longicorn (*cerambycidae*). As the beetles sent were noticed to be immature, mature specimens are now being collected. The damage to teak in general by the caterpillar identified as one of the jassids still continued, but the injury done is confined to the leaves. In *Kistna*, in addition to the borer which tunnels under the soil and cuts the plants just below the collar and mentioned in last year's report, the fungus disease was observed in the Gopavanipalem casuarina plantation and the trees affected are being felled. There was a marked decrease in the damage caused by the borer, but it cannot be said with certainty whether it was due to the burning of the debris after clear felling and preparatory to planting. As a further protection it was decided not to plant casuarina pure in future but to mix it with some other fuel species. In *Guntúr*, there was some damage caused by insects and it was found that the drying up of the crowns of the older casuarina trees was due to hard sub-soil being met with by the tap root. In the teak nursery plantation in *Kurnool East*, grubs and defoliating caterpillars attacked seedlings, but the damage was not serious. The spread of loranthus due to prolonged drought and fires was also noticed in the Division. The large leaved Mahogani (*Swietenia macrophylla*) in the Diguvametta bungalow compound was seriously attacked and killed by borer and there is only one tree surviving.

Central Circle.—In *Cuddapah*, the mole constructed last year to protect the Kodur plantation had been washed off and an estimate for the construction of a new one was being prepared. In *Nellore*, two parcels—one containing insects in different stages found in the casuarina trees in the plantations and another containing billets of casuarina wood attacked by insects—were sent to the Forest Entomologist to the Government of India who identified the insects as (1) *Arbela tetraonis*, the casuarina bark-eating caterpillar and (2) *Clania crameri*, a bagworm caterpillar. For a full description and method of dealing with these insects, he has referred the District Forest Officer to his "note on the casuarina insect pests of Madras" published in the appendix series of volume XXX of the Indian Forester and to "Departmental notes on insects which affect forestry", No. 3 (pages 423 and 438). He also advised that pruning should, if possible, not be undertaken in the plantations. With a view to check the insects and fungus *Trichosporium vesiculosum* which has severely injured the casuarina, instructions have been issued to make an enumeration of the dead trees in all compartments and to clearfell and eliminate the dead trees in certain compartments. In *South Arcot*, the mortality of casuarina trees in coast plantations due to fungus,

Trichosporium vesiculosum, continued and increased very seriously; and as usual prompt removal of dead trees, careful grubbing out of roots and early thinnings were done and these seem to have some effect in checking the disease, judging by results in one compartment of Fort St. David plantation. Bark borers (*Arbela tetraonis*) seem to be fewer this year. In *Tanjore*, the trees in the Tirumalaivasal plantations were attacked by insects, creepers and parasites and the two latter were partially cleared by forest subordinates. In *North* and *South Salem*, climbers and creepers, affecting standard trees in coupes and sandalwood trees on the Javadis and Yelagiris, Chitteris, Pachmalais and Kollimalais, were cut by the subordinates.

Southern Circle.—Several acres were cleared of creepers in *North Malabar* and of parasites in *South Malabar*. Attention was also paid to the insect pests and some useful information was recorded. In *North Coimbatore*, spiked sandalwood was felled, but the cause of the disease has not yet been determined. A similar disease was also noticed on other species. In the neighbourhood of Garivalam and Bailur *Anogeissus latifolia* was severely attacked by several distinct species of *Lepidopterous larvae*. Specimens were obtained and notes on the life history of various injurious *Lepidoptere* were collected. The larva of another species was found in the fruit of *Valanites Roxburghia*. The larva in this case is reported to live on the seed and emerge by eating its way through the hard endo carp. Defoliation of *Randia dumetorum* by the larva of a clear wing moth was also observed. In *Tinnevelly*, creepers were cut in all coupes worked over in 1903–1904 and 1905. In some of the coupes in the ghat forests a dense crop of Lantana and *Acacia Intsia* was observed to spring up as soon as the coupes were felled and choke the more valuable species.

4. Sylviculture.

(*a*) *Natural Reproduction.*

22. In dealing in a general manner with natural reproduction from seed in the forests of the Presidency, it is necessary to differentiate between the moist forests of the Western ghâts and coast and the comparatively dry deciduous forests of the East Coast districts and of the Central inland districts bordering on Mysore and the Deccan. In the first-named class of forests, reproduction from seed is always most prolific and satisfactory, the natural result of forests free from fire with a bountiful rainfall and a thick humus surface soil; and the year under report proved no exception to the rule. In the second class of forests, the year was generally rather unfavourable owing to short rainfall, a particularly long hot weather with an unusually high temperature which caused seedlings to die down in many districts, particularly in *Ganjám*. It has, however, to be remarked that the mere dying down of seedlings to the surface of the soil by no means proves that the root system of the plant is dead, as shoots often spring up from the apparently dead stem at the first rains, often merely to again die down at the next hot weather, which process continues until the root system eventually develops sufficiently to maintain moisture in the stem throughout the hot weather. It can therefore be readily understood from the above how a friable surface soil well covered by shrub vegetation helps the young seedlings to fight for existence against the long period of drought, and hence it is that in the deciduous forests natural reproduction from seed is generally satisfactory only in those areas which have been protected from fire and cattle for some years and where a friable surface soil is present. Even in these forests, however, seedlings are only visible as a rule under the protection of the shrubby growth of *Dodonœa*, *Webera*, *Randia*, etc., which appear to be Nature's nurseries for the reproduction of seedlings of the better class of trees, such as satinwood and *Hardwickia binata*; and numerous seedlings of one or other of these trees were personally observed by the Conservator in such situations in the *Cuddapah*, *Salem* and *Chingleput* forests during the year. On the other hand, these conditions although favouring reproduction of species such as the above, which support and grow up through cover, are not often suitable to a light loving species such as teak. In the following notes, natural reproduction from seed and coppice is dealt with in detail in each circle:—

Northern Circle.—In *Ganjám*, owing to the severity of the hot weather, the year was an unfavourable one. No trace late in the season could be found above ground of the millions of sal seedlings which the extraordinary seeding year of 1904–1905 produced. In *Vizagapatam*, in all the coupes under systematic treatment

natural reproduction was very fair, while reproduction from seed was also good in some of the agency portions of Golgonda and Palkonda ranges. In *Gódávari*, the mangrove seeded well in the Delta range and a large number of seedlings were seen everywhere before February, but several of them died during the hot weather. In the Rékapalle range, the natural reproduction was very poor owing to the prolonged dry season, but seedlings of the *Xylia* were coming up fairly on the hill sides. In Marrigudem range, the regeneration of Yepi (*Hardwickia binata*) in Bhadráchalam, Arlagudem and Tunikicheruvu reserves was fair and teak germinated fairly well round the Tunikicheruvu tank. Billoo (*Swietenia chloroxylon*) and somi (*Soymida febrifuga*) germinated extensively in Mallavaram and Sudikonda reserves of the Rajahmundry range. The main feature of the year, however, was very poor flowering and fruiting of Yegisi (*Pterocarpus marsupium*). In *Kistna*, reproduction from seed of the important species such as *Chloroxylon swietenia*, *Anogeissus latifolia*, *Albizzia amara*, *Hardwickia binata* was observed in the reserves of Bezwada range, but the growth of the seedlings was not good owing to unsatisfactory rainfall. The growth of coppice shoots in the several coupes worked in previous years was very satisfactory. The species that coppiced best was mushti (*Nux vomica*) in the reserves of Ellore range, the first year's shoot being 8′ to 9′ high. Reproduction of bamboos by spreading of the culm was very good in the reserves of Kondapalle, Kondur and Kottur. Reproduction from seed in the mangrove swamps which are subject to ebb and flow of the tidal creeks was good. In *Guntúr*, reproduction by coppice growth in the babul areas recently felled over was good or moderate according to the soil. In the better soils reproduction extended to root suckers. Along the salt creeks mangrove reproduction by seed was abundant again. In Satenapalle, reproduction from Yepi, (*Hardwickia binata*) sundra and anogeissus seeds was fair, though perhaps sundra is most dependent upon reproduction from root suckers. The season was too dry to favor reproduction of Yepi (*Hardwickia binata*) in Palnad and Vinukonda. In most of the coupes cut over, there was abundant reproduction from root suckers, but of inferior species mostly. In *Kurnool East*, all species except Yepi (*Hardwickia binata*) and Somi (*Soymida febrifuga*) seeded fairly abundantly although some of the seeds were immature owing to the prolonged and phenominally intense hot weather. Yegi (*Pterocarpus marsupium*) and Jettegi (*Dalbergia latifolia*) did not seed as profusely as they generally do. Natural reproduction by seed of teak, Yegi (*Pterocarpus marsupium*), Jettigi (*Dalbergia latifolia*), Nallamaddi (*Terminalia tomentosa* and *Anogeissus latifolia*) of the previous year continued to thrive in areas which escaped fire. In some of the open blanks in Cumbum reserve, teak seedlings were found here and there. Yepi (*Hardwickia*) reproduction of the year before last continued to thrive in all localities, where it came up especially in Uyyalavada, Cumbum and Veligonda reserves. Reproduction by coppice in all the felled coupes in the Railway Working Circle was promising despite the prolonged hot weather. One of the most pronounced features in the plateau of the Railway working circle, is the marvellous way in which teak is spreading; the clean felling at Chelama some four years back almost looks like a plantation; the trees are now some 20—25 feet high and about 2 to 3 inches in diameter and have commenced flowering and seeding. In *Kurnool West*, seedling reproduction was satisfactory in almost all the ranges except in Owk range, where it was affected much by the tread of cattle and the recent fire occurrences and the want of successive good rains. The regeneration of Yepi (*Hardwickia binata*) was satisfactory in the Nandyal range and is doing very nicely in some of the coupes of the Yerramalais of about three to four years old, as protection has been very good; while in the Atmakúr range, the bamboo clumps in the valley near Indreswaram in Srisylem Working Circle seeded profusely and the ground is now covered with a mass of seedlings. In *Bellary*, in the specially protected Hardwickia block, Bellary reserve, which consists of 1,066 acres, the reproduction from seed was about 20 seedlings to an acre. Of these 5 per acre died and the rest were thriving well. In Bellary, Menchivi, Kontanapalle and Udegolam reserves, the reproduction was about ten seedlings to the acre of which one or two usually perished. The poor regeneration may be attributed to the heavy grazing, year after year. In Rayadrug and Dharmapúri coupes the coppice growth was fair and in the fenced coupes of Alur and Adóni ranges it was very promising. Reproduction by seed of *Dolichandrone crispa* appears in Working Circle Nos. I, II and III of Adóni range. There was little natural reproduction by seed in other parts and this was due to the excessive grazing and paucity of rainfall. Natural reproduction by coppice shoots

has been good in all the coupes which have been felled over and placed under special protection. In *Anantapur*, natural reproduction was, as in last year, poor generally.

Central Circle.—In *Cuddapah*, coppice reproduction in the coupes felled in previous years is generally good, more especially that of *Anogeissus latifolia*, while seedlings of *Hardwickia binata* are fairly plentiful under cover, but few are present in the open. In *Nellore*, reproduction from coppice in certain working plan areas was satisfactory and reproduction from seeds in certain blocks in the Veligondas reported last year as being set apart for the purpose was discouraging owing to the hard and impoverished nature of the soil. In *Chingleput*, the failure of the rains materially affected natural reproduction from seed and reproduction from coppice was, on the whole, satisfactory throughout all the coupes of the district and especially in the Tiruvallúr range. In *North Arcot*, in all the fire-protected blocks closed to grazing and in the inner slopes of the Javadis, natural reproduction from seed was fairly satisfactory and coppice reproduction of *Chloroxylon swietenia*, *Terminalia tomentosa*, *Anogeissus latifolia*, *Hardwickia binata*, *Pterocarpus marsupium* and *Santalinus*, *Strychnos nux vomica*, *Premna tomentosa* and *Albizzia amara* and *Odoratissima* was excellent. Owing to the successful closure against grazing many of the poorly-stocked areas and barren tracts had begun to reclothe themselves with thorny species which are the natural nurses of tree species. Reproduction of teak and sandal on the Javadis was good. In *South Arcot*, there is nothing of interest to add to what was reported during the previous year, but the prolonged dry season was unfavourable to seedlings in the plains. In the hills, sandal and teak seedlings in certain places were numerous. In *Tanjore*, reproduction from seed and by coppice was not satisfactory owing to the failure of monsoons. There was a good growth of *Memycylon edule* in Vettangudi. In *Trichinopoly*, in the padugai reserves along the Cauvery and the Coleroon, the natural reproduction of *Inga dulcis*, *Albizzia Lebbek* and *Cassia florida* from coppice and seed was vigorous, while seedling reproduction of *Acacia arabica* was good in damp places, especially in coupes felled during the year. In the upland reserves of the district, the coppice growth of *Albizzia amara*, *Chloroxylon swietenia* and *Mimusops hexandra* was good, but seedlings died down owing to drought and illicit grazing. In *South Salem*, natural reproduction from seed was poor owing to partial failure of rains and coppicing was not satisfactory.

Southern Circle.—In *South Canara*, regeneration by seed was fair all over the district; reproduction by coppice was fair in the Coondapoor range, but was not satisfactory in Udipi and Uppinangadi ranges owing to fires and the late commencement of rains. In *North Malabar*, natural regeneration was distinctly good on the whole, and in many parts of Begur and Chedleth a good crop of young vengai and black-wood plants is established. Although parts of Kurchiyat and Begur are well stocked with teak trees of all sizes, few seedlings can be found. The predominant tree of these forests is *Terminalia tomentosa* which springs up most rapidly from seed. A fine growth of *Hopea parviflora* mixed with *Shorea lacifera* was noticed along the river banks in Rampur reserve. In *South Malabar*, natural reproduction of *Hopea parviflora* and *Vitex altissima* in the sholas of Mannarghat range is reported to be specially good; and in the deciduous forests, vengai seedlings were plentiful and the reproduction of *Dalbergia latifolia* from root suckers and *Xylia dolabriformis* from coppice was specially good. In the Amarampalem range, the reproduction of all the valuable species was good and that of irul (*Xylia dolabriformis*) in Nilambúr was splendid. *Swietenia macrophylla* has begun to reproduce itself in the Pokote plantation and it is believed that this area can be restocked naturally with this tree. This is a very noteworthy fact which may lead to important results in connection with the extension of mahogany in the forests of the West Coast districts. In the *Nilgiris*, reproduction from teak seed in Mudumalai and Segur ranges was poor and that of other species was good; probably there is too much shade for teak. Coppice growth of all species in areas under improvement fellings in Mudumalai leased forest was excellent; coppice shoots were coming on very well in Coonoor and Ootacamund range plantations. Sandal growth from seed in Segur range was fair, so also the reproduction in the bamboo coupes; but the shoots were much damaged by wild elephants and sambur. In *North Coimbatore*, bad seasons and want of rain had an adverse effect on all natural regeneration. The coppice reproduction in the Gundal fuel coupes was a failure, while it was fairly good in Satyamangalam coupes. In the sandal coupes, reproduction by suckers has been poor owing to want of rain. Most of the principal species seeded well, but germination

was poor owing to drought. In *South Coimbatore*, reproduction by seed and coppice was generally good. In the heavier forests protected from grazing, teak and other species reproduce themselves excellently by naturally sown seedlings, but few survive owing to insufficient light. The canopy over patches of advance growth at Mount Stuart was opened and the result indicated that this treatment would bring about good natural regeneration. The patches will need reclearing annually until the teak gets its head well above the undergrowth. In *Madura*, reproduction from seed was good in the unworked evergreen forests, and coppice reproduction was satisfactory in the forests worked for fuel. In *Tinnevelly*, natural reproduction in the evergreen forests is good; black and white kongu *Bolanocarpus utilis* and *Hopea parviflora* seedlings in certain localities being particularly satisfactory. Regeneration from seed and coppice was good in the specially-protected areas and also in those babul areas from which goats are excluded; where goats were admitted regeneration absolutely failed.

(*b*) *Artificial Reproduction.*

23. The areas under plantations and topes, or subjected to cultural operations, are given in Form No. 54.

Regular plantations—Northern Circle.—The seedlings of casuarina and other species planted during the year in 37 acres of the casuarina plantation, *Ganjám*, did remarkably well, considering the want of rain. Mahogany and divi divi plants put out in previous years in Narasapatam fuel working circle, *Vizagapatam*, did not thrive well, while the jack plants in China Mangalam tope were in good condition. Forty-three and thirty-eight acres, respectively, of Bandamurlanka and Kandikuppa plantations in *Gódávari* were planted with casuarina during the year. In Kandikuppa plantation some trees were observed to die off in a line in the compartments in which the third year's watering was completed. Similar casualties of previous years were also noticed to be almost in a continuous patch. Poverty of the soil in that portion of the compartment was assigned as the cause. To test this, it was considered desirable to continue watering during the fourth year also. In *Kistna*, casuarina was planted in Gópuvánipálem, Kánukollu and Vémavarappád reserves over areas of 20, 14 and 4 acres, respectively, and sissoo in 5 acres of Malléswaram reserve. The casualties in casuarina were 35, 10 and 40 per cent., respectively, the large percentage of mortality in the former reserve was due to the damage done by borer, failure of rains and to the swampy saline nature of a good portion of the coupe operated on, while in the last it was due to bad planting and bad season. The casualties of sissoo were only $2\frac{1}{2}$ per cent. Teak, *Mangifera Indica* and *Albizzia Lebbek* planted in Bezwada reserve were promising, but those on the hill slopes were stunted. *Melia Indica* and *Albizzia Lebbek* in *Bezwada* and Jaggayyapeta extension reserves were doing well. In *Guntúr*, in Bápatla reserve, the protection afforded to old sissoo plantations enabled the vigorous growth from root suckers to assert itself. *Inga dulcis* seeds were sown broadcast and in nurseries, but were successful only in the latter. Other seeds such as palmyra, date, neredu (*Eugenia jambolana*) and cashew-nuts were sown in different parts with disappointing results. Margosa and soap-nut seeds were also sown, but owing to dry weather the results were not encouraging. In *Kurnool East*, three Chenchu centres in Chinna Mantrala, Pedda Mantrala and Maddipenta were formed with a view to start small plantations by forming nurseries and transplanting the seedlings in order to give employment to the hill tribes (Chenchus) and effect thereby their reformation and stoppage of fires. In the former, two teak nurseries were formed and the plants raised were transplanted. The reproduction was not successful owing to the lateness of operations and the total failure of the monsoon followed by an abnormally hot weather. The teak seedlings raised in the nursery in the Duguvametta teak plantations were planted in two plots having an area of 4 acres and watered throughout the year, but owing to the prolonged hot weather only a fourth of the plants survived and they were healthy and vigorous. Similarly in *Kurnool West*, plantations were opened at eight centres where permanent sources of water exist. In all these, work commenced during the year and consisted in clearing and fencing areas and sowing seeds in a portion of the areas thus cleared either in baskets, bamboo pots or in pits. Sixty acres in these were planted with seedlings of yepi, (*Hardwickia binata*) teak, yegi (*Pterocarpus marsupium*) and Nallamaddi (*Terminalia tomentosa*). In the Kuppagal and Tungabhadra plantations, *Bellary*, 1,600 and 600 seedlings, respectively, were transplanted during the year, of which only 700 and 200 plants survived. Sissoo,

Albizzia lebbek and casuarina were the most thriving species in these two plantations. As in previous year, seedlings of different species were supplied to the Public Works Department from the nursery in the Collector's office compound.

Central Circle.—In *Nellore*, 354 acres were planted with casuarina in the Coast range and 44 acres were replanted on account of the mortality from insect pests referred to in the last year's report. No fresh plantings were made in the Kollurpad plantation and last year's plantings are in a fair condition. In *North Arcot*, 91 acres of casuarina plantations near Vellore were planted with casuarina and *divi divi* seedlings. The plants raised in Chittoor nursery were put out in Chittoor reserve and they are thriving. In the Sáttúr reserve of Vellore East range, 12 acres were sown with seeds of *Cassia auriculata*, *Tephrosia purpurea*, *Melia Indica* and *Pongamia glabra*, but only the seeds of *Cassia auriculata* and *Tephrosia purpurea* germinated and the plants were thriving well. In *South Arcot*, 63·40 acres in Cuddalore coast plantations were planted with casuarina and 14 acres in which planting failed last year were replanted. Results were satisfactory. In *Tanjore*, 20,835 casuarina plants were planted in compartment No. 10 of South casuarina plantation and previous year's plants were maintained. In *North Salem*, the graft mango plants planted last year in the Andiyappanúr rest-house compound are thriving well and are in good condition. In *South Salem*, 15,731 plants of silver oak from the nursery in the Shevaroys central working circle were put out in compartment No. 2 and in the old plantation started in 1902, and almost all the plants are thriving well. A small area of this plantation was however burnt and about 500 plants were killed. The experimental nursery garden opened in Hastampatti last year was maintained during the year.

Southern Circle.—In *South Canara*, the growth in the two existing plantations was fairly good : a start has been made in planting rubber in Sóméshvara reserve. In *North Malabar*, 20 acres were planted with teak in Chedleth and Begur. About 115 acres were cleared and a portion was planted ; and in Kanoth 30 acres were sown with 24,000 jack seeds of which only 5,000 survive. In *South Malabar*, 120·30 acres were planted with teak in Karimpoya reserve and 3 acres with Hôpea and many casualties were replaced ; 129·84 acres were prepared but no planting could be done owing to the failure of timely rain. In *South Coimbatore*, the teak plantations at Karadivai, Kunnivai and Anapadi were cleared of grass and weeds and casualties among the seedlings were replaced. One new plantation of about 15 acres at Pillakal was cleared and planted with teak. In *Madura*, the growth in the existing plantations was good. Coppice reproduction in the fire-burnt areas in the Gundan shola blue gum plantation was also good. In *Tinnevelly*, about 1,000 clumps of bamboos were planted in Azhagarkoil valley ; the growth of these and those planted two or three years ago was excellent. In Valliyúr reserve 1,617 bamboo clumps and 1,623 mahogany seedlings were planted ; the former are doing fairly well, but the latter are not thriving. The young casuarina plantation in Valliyúr was also doing well.

Taungya plantations.—Twenty-five acres of Pegha reserve, *Gódávari*, were brought under taungya operations during the year at a cost of Rs. 209. Many casualties occurred among the seedlings that survived at the end of the previous year. In *South Canara*, the Mahratties in return for the permission granted to them for kumari cultivation collected seeds of teak and other species ; they were reported to have been sown in the areas cleared instead of plants being put out. This was found to be a failure, possibly owing to the seeds never having been sown, and the system of putting out plants will be reverted to.

Cultural operations—Northern Circle.—In *Vizagapatam*, seeds of kondatangedu (*Xylia dolabriformis*), rela (*Cassia fistula*), karakai (*Terminalia chebula*) and somidi (*Soymida febrifuga*) were dibbled in certain reserves. In *Gódávari*, mangrove seeds were sown in about 242 acres of Coringa reserve and the seedlings that survived the hot weather were in a thriving condition. In *Kistna*, 12½ acres in four reserves of Ellore Range were strongly fenced, growth was cleared and mounds and pits were made and seeds of several species were sown. But the operation was a complete failure in two of the reserves owing to the carelessness and ignorance of the subordinates and in the other two, 80 per cent. of the seeds sown germinated but subsequently suffered severely owing to the failure of the monsoon and the unusually hot season. However, a large number of promising plants of yepi (*Hardwickia binata*), soapnut

and nim survive in these two reserves. A similar fate attended the sowing of fuel species in 100 acres of Kodurparra reserve. In *Guntúr*, *Inga dulcis* seeds were sown broadcast and in nurseries, but were successful only in the latter. Large quantities of palmyra, date, *Eugenia jambolana*, and cashewnut seeds were sown in different parts with disappointing results. *Pongamia glabra* seeds sown in nurseries are doing moderately well. Several measures of margosa seeds were sown broadcast; about 50 per cent. germinated, but few now survive owing to the excessively dry weather. The seedlings in nurseries are, however, doing well. Large quantities of soapnut seeds were sown. The germination was good, but, owing to the long dry weather, the results are not very encouraging. In *Kurnool East,* three plots were selected for cultural operations. One measuring about 12 acres was dibbled with teak seed in small pits and the other two, 4 acres and 53 cents, respectively, were furrowed and cross furrowed 6 feet apart and sown with teak seed. The germination in the latter two plots was poor and in the first plot successful. But owing to the intensely hot and prolonged summer most of the seedlings apparently died. After the recent rains, however, a small percentage have sent up new shoots which are vigorous and healthy. A large quantity of sandal seed was sown mixed with seeds of margosa, *Albizzia Lebbek*, and *Odoratissima*, *Pongamia glabra*, etc., along the banks of the Sagileru river amidst shrubs and bushes. The previous and current year's plantations were fenced with bamboos twisted and interlaced between wooden uprights. In *Kurnool West*, yepi (*Hardwickia binata*) seeds were dibbled in 1,600 pits in Veldurti reserve. The seeds germinated everywhere and came up well for a time, but owing to the severe heat there were many casualties later on. About 20 per cent. of those that persisted were reported to be doing well. Most of the yepi (*Hardwickia binata*) and margosa (*Melia Indica*) seeds sown in the coupes of certain reserves in Pattikonda range germinated, but died owing to the failure of the rains.

Central Circle.—In *Cuddapah*, jalari (*Shorea lacifera*) seeds sown in certain reserves did not germinate. In *Nellore*, 15,000 palmyra seeds were sown along the boundary lines in two reserves, but they did not germinate for want of rain. Casuarina seeds received from Rangoon were sown in two plantations of the Coast Range—50 per cent. of the seeds germinated, but all seedlings in one plantation died and in the other are reported to be doing well. In *Chingleput*, date and palm seeds were sown in the interior as well as in the coupes and boundary lines of certain reserves, but they proved a complete failure owing to want of rain, though a few seeds of the latter species still possess vitality and show signs of germination. These operations were also undertaken by the Revenue authorities in village porambokes over a scattered area of 40 acres and ended in a similar result. Arrangements are however being made to ensure progress in the propagation of date and palm seeds. Seeds of manure leaf and timber yielding species were sown broadcast or dibbled in felled coupes over an area of 800 acres. The result could not be said to be successful as the percentage of germination varied from 5 to 10 per cent. though in one or two exceptional cases of timber yielding species the percentage was estimated about 50 to 70 per cent. The failure was chiefly due to want of timely rains, while the success was mostly due to sowing under cover of shrubs and thorns. In *North Arcot*, seeds sown in blanks of coupes in Chittoor Range did not germinate on account of drought; 12 acres in Satur reserve of Vellore East Range were sown with seeds of *Cassia auriculata*, *Tephrosia purpurea*, *Melia Indica* and *Pongamia glabra*, but the seeds of the two former only germinated and the plants are thriving well. In *South Arcot*, the planting of blanks in forests by means of cuttings was continued during the year with varying success, which appeared to depend a good deal on the interest taken in the experiments by the Range officer in charge. In *Tanjore*, the previous year's palmyra, cashew and mango seedlings were in a thriving condition. In *Trichinopoly*, a nursery was opened near Lalapet plantation where seedlings of *Cassia florida*, *Albizzia Lebbek*, teak, casuarina, *Melia Indica* and *Inga dulcis* were raised. The plants were planted out in padugais and a plantation. They were doing well although there were some casualties on account of want of rain. The cultivation of manure leaf yielding species was tried in many reserves by ploughing and sowing, but the experiment was successful only in two localities. In *North Salem*, a large quantity of seeds of indigenous trees was collected and transported at a cost of Rs. 200 to Siddakarampatti for the purpose of establishing a manure leaf farm there for the supply of manure to the

lands irrigated under the Barur project in the Krishnagiri taluk. The seeds, however, were not sown for want of rain. The casuarina seedlings in a tope near Hosúr showed a tendency to wither, said to be due to drought. The Conservator is, however, of opinion that this was due to the heavy shade which suppressed them and which was ordered to be removed. In *South Salem*, seeds of indigenous species were sown in blanks of felled coupes in the various working circles, but the result was not satisfactory.

Southern Circle.—In *South Canara*, cashew nuts were sown broadcast in selected places in Coondapoor and Udipi Ranges; about 350 plants survived, the rest having been killed by fire and drought. About 800 palmyra seeds were put down along the boundary of the Kodiamale reserve. In *South Malabar*, 154 *Swietenia mahogani* were planted as avenue trees in Amarampalam Range; 38·65 acres were coppiced in Edacode and were partly planted with *Swietenia macrophylla* and blackwood. *Hopea parviflora* and *Ficus elastica* plants were put out in 3½ acres in Edacode and 953 *Swietenia macrophylla* plants in Arivillikava. 15 acres were planted with cocoanuts in Beypore reserve at a cost of Rs. 164. In *North Coimbatore*, experimental sowings on ridges and pits in the Sullipalayam reserve on a small scale were continued but proved a failure. An attempt to plant up the swamps at Geddassal with *Eucalyptus globulus* obtained from the Nilgiris was begun and a thriving nursery started. A large number of seedlings were obtained and they will be planted out during the rains. In *Madura*, two areas of 40 and 25 acres respectively were cultivated with manure leaf shrubs during last year; the growth on the former was thriving and that on the latter failed for want of sufficient rainfall. Want of rain precluded the work being done on a large scale this year. However, 70 acres were ploughed and sown with Kolingi (*Tephrosia purpurea*) and Avaram (*Cassia auriculata*) seeds, but the result was a failure owing to the very dry season. In *Tinnevelly*, teak, vengai, and other seeds were sown in lines; in coupes recently felled the germination was fair, but a very large percentage disappeared during the hot weather. The sowing of palmyra seeds and the planting of banyan cuttings have been fairly successful. Vagai (*Albizzia Lebbek*) and other seeds were sown in Gangaikundan reserve; they germinated but died subsequently for want of rain; 3,342 mahogani seedlings were obtained from 13 lbs. of seeds sown. They started well but did not thrive when planted out.

(c) *Operations for the improvement of growing stock.*

24. Speaking generally the most important operation for the improvement of the growing stock which took place in all circles during the year was the steady progress made in abolishing the permit system and introducing in its place located fellings in conjunction with depots. This will have a marked beneficial result in time, both in respect to a better check over removals of produce as well as in the economical and sylvicultural working of the forests. Other operations undertaken in each circle during the year are given below.

Northern Circle.—Creeper cutting was effected as usual by the subordinates throughout the *Gódávari forests* except in the delta range where it was not required. Improvement fellings were made in Pegha reserve in *Gódávari* and in bamboo and fuel coupes in the Nallamalais in *Kurnool West.* In *Guntúr*, the fencing in of coupes, the cutting of stumps flush with the ground, the selection and pruning of standards were carried out in the babul areas. In *Bellary*, coupes were fenced in two ranges.

Central Circle.—In *Cuddapah*, thinnings in a portion of Kodur redwood plantation and cutting of creepers on teak and redwood trees were carried out. In *Nellore*, pruning of casuarina plants carried on in previous years although not prescribed in the working plan was stopped during the year, as the operation is both directly and indirectly injurious and aids the spread of the fungus disease as well as facilitates attacks by borers and other pests. In *Chingleput*, wherever necessary, weeding and cutting of creepers were done in felled areas. In *North Arcot*, the cutting of creepers affecting the standards in the felled coupes as well as sandal trees growing on the Javadies and red sanders in Mamandur forest was carried out. The removal of prickly-pear was also undertaken in the plantations of Vellore West range. In *South Arcot*, cleaning and thinnings of the bamboo clumps of the scattered plantings of 1895–96 were carried out in certain ranges. Casuarina thinning was not carried

out completely, as the work was rendered to some extent unnecessary as a sylvicultural operation owing to the large number of dead and dying trees, due to fungus. In the padugais of Udaiyarpalaiyam range, *Trichinopoly*, 257 bamboo clumps were cleared of dead culms and thorns. In *North Salem*, prickly-pear was removed in certain topes at a cost of Rs. 300 and creepers were cut in all the felled coupes and in all the sandal areas on the Javadies. In *South Salem*, hollow, crooked and useless trees were removed by improvement fellings conducted in two working circles of Salem East range and by fellings on the coppice with standard system in others, and bamboo blocks were leased out for felling systematically by contractors. The Nallur tope was freed from the thick growth of prickly-pear for the eradication of which it was leased out on cowle tenure for five years and the hedge was maintained and trees protected.

Southern Circle.—In *South Canara* creepers were cut over 1,400 acres in Uppinangady and Puttur ranges and abortive attempts were made to re-stock blanks by dibbling in seeds of several species. In *North Malabar*, creepers were cut over 3,465 acres and the plantations were weeded. In *South Malabar*, 694 acres of teak plantations were thinned according to the provisions of the working-plan; creeper cutting was done and weeding where necessary; 401 acres were cleared of parasites. In the *Nilgiris*, the rank undergrowth in the coupes under felling in the plantations of Ootacamund and Coonoor ranges were cleared to facilitate the growth of coppice shoots and superfluous coppice shoots were removed in about 5 acres in Arambi plantations as an experimental measure. Unsound, hollow and crooked trees were taken out from 200 acres in Mudumalai range. In *South Coimbatore*, thinning was done in the teak plantation at the dam in the Tunacadavu range and unsaleable inferior trees were girdled in all fuel coupes. In *Tinnevelly*, creepers were cut by forest subordinates in all coupes worked over in 1903, 1904 and 1905.

25. As regards the arboricultural development of the more important reserves and the provision made for special forest requirements of each district or group of districts, Collectors generally refer to the operations undertaken under artificial reproduction and cultural operations, and as observed in the report for the last year, action is being taken in this direction as far as practicable, and more extended operations of this nature must await completion of working plans and other special works, such as successful fire-protection and the introduction of the system of located coupe fellings, which are now engaging a large portion of the time of the subordinates and the controlling staff.

(*d*) *Experiments.*

26. The results of experiments made with exotics and other plants are detailed hereunder:—

Acacia planifrons.—Sowing of seeds in *Guntúr* was not attended with encouraging results.

Agave ixtle.—The surviving plants in the Palmaner range, *North Arcot*, are doing well.

Bamboos.—In *South Canara*, the existing six clumps of *Bambusa longispathus* contain about 500 culms but are not really doing well. The eight young clumps of *Arundinaria Brandisii* in *South Malabar* are in good condition, but the four clumps of *Bambusa vulgaris* are not flourishing. The other species mentioned last year as found along river banks in that district are growing well, but are not of much commercial value.

Rubber trees—(*a*) *Landolphia florida.*—The 22 trees in *South Malabar* mentioned in the last year's report are doing well, but suffer constantly through the depredation of monkeys.

(*b*) *Ceara* (*Manihot glaziovii*).—The trees in Napier Park, *Ganjám*, have improved in health since last report. Of the plants on Kondapalli hill in *Kistna*, many succumbed to the hot winds and above 25 survive in good condition. In *South Canara*, 14 plants near the Alur rest-house are doing fairly well, some being 8 feet high. 2,050 seeds were sown in kumried areas in Puttur range, but only 25 plants survived, the tallest of them being 12 feet in height with a girth of 5 inches; 1,790

seeds were put down in Udipi range, but 147 alone survive. In *North Malabar*, no tapping was done. In *South Malabar*, the trees are gradually diminishing. In the *Nilgiris*, there are 15 well-grown trees in and around Benne nursery, and young seedlings have come up around them. Some trees in the compound of Satyamangalam range, *North Coimbatore*, which were reported to have died last year, have since produced new shoots and are vigorous. The plants at Mount Stuart in *South Coimbatore* seeded profusely during the year and thinnings and clearings were done in the plantation. In *Tinnevelly*, the growth at Kuttalam is very irregular, but the plants are all healthy.

(*c*) *Ficus elastica.*—Three attempts in *Ganjám* to obtain *Ficus elastica* from seed supplied from Assam proved unsuccessful. The trees in Manantoddy garden, *North Malabar*, were tapped by a planter; but the method adopted (the single herring bone) has not given good results. A line was cut in the Ontangudi reserve and cuttings planted on mounds at a distance of 40 feet apart; these however dried off owing to the hot season.

(*d*) *Hevea braziliensis* (*Para rubber*).—Two hundred and thirteen plants survive in *South Canara*, some are 5 feet high. In Manantoddy garden, *North Malabar*, there is one tree 8 years old which has begun to seed. In *South Malabar* 24 in Iravallikava and 1 on Nilambur hill are doing well. Seventy-four seeds were sown in the office nursery, but only 5 seedlings survived and these were planted out in the office compound. In the *Nilgiris*, 10 were planted as road side avenue trees.

(*e*) *Kicksia africana.*—There are 23 trees in *South Malabar*. They are much attacked by a boring caterpillar as reported last year and have a shrubby appearance.

(*f*) *Dichopsis elliptica.*—Enquiries in England made from *South Coimbatore* go to show that rubber of this species is not in commercial demand.

Date trees.—Twelve trees survive in *Gódávari* and in *Tanjore*; 132 plants mentioned in previous reports are thriving. In *North Arcot*, 5 trees died and the rest are not in a thriving condition.

Divi Divi.—The plants in *Vizagapatam* are not thriving, while those in *Gódávari* and *Nellore* are in a flourishing condition. In *North Arcot*, the plants in Kilminnel plantation continued healthy, but yielded only 5 candies of pods against 10 in the previous year; about 6,000 plants were put down in the plantations along with casuarina. Plants put out in previous years in Alambadi and Kariyanaicken padugais, *Trichinopoly* district, were in excellent condition and yielded 441 lbs. of pods; it is proposed to extend the species as they thrive in the plantations. The trees at Talamalai and Tattakarai in *North Coimbatore* are sound and bore flowers and fruit.

Durian plants.—There are 6 plants in the *Nilgiris* in good condition.

Eucalyptus globulus.—The trees in Palmanér plantation, *North Arcot*, are doing well, as also those at Talamalai in *North Coimbatore*. The few *Eucalyptus citriodara* in the latter locality are also thriving.

Jacquarandus.—The plants put out last year in *North Arcot* continue healthy.

Logwood.—The single plant, 5 years old, in Kandikuppa plantation in *Gódávari* is now 7′ 3″ in height and 8″ in girth. Of the 20 that survived last year, only 10 are now alive.

Euphorbia nivulia, Ficus mysorensis, Ficus tomentosa.—These species were tapped for latex which after drying was forwarded from *North Coimbatore* to the Reporter on Economic Products to be tested for caoutchouc, but the reports received show that nothing of a commercial value can be expected from them.

Grewillia robusta.—The trees at Kuttalam and Nedugani bungalows, *Tinnevelly* district, are in good condition.

Mahogany.—The plants in *Vizagapatam* are not doing well. Sixteen only of last year's seedlings survive in *Gódávari*. In Rekapalli range, there are 25 in Rekapalli reserve and 23 elsewhere; transplantation in the reserve proved a thorough failure. The plants in *Kistna* are not doing well owing probably to want of rain. There are a few healthy plants in Bollapalle bungalow, *Guntúr*. In *Kurnool East*, the planting done in previous years has not been attended with favourable results. In *Kurnool West*, seeds were sown but only a few plants survive. The two mahagony plants planted

in the compound of the Atmakúr rest-house some years ago are doing well. They are now 10 and 13 feet high. At Rudrakodu 28 mahogany planted last year are growing well. The seedlings planted in 1895 in Kupgal plantations, *Bellary*, still survive though in a stunted condition and 8 plants of 1903 are doing well. Sowing in Hastanavaram tope, *Cuddapah*, proved a failure, 20 seedlings only remaining and these were not promising. Seeds were sown in Tammanapatam, Dugarazapatam and Kollurpad plantations and in a few compounds in *Nellore*; more than a third of these germinated and are doing well. The seedlings referred to as raised in the previous year's report in the Chittoor reserve, *North Arcot*, and put out in plantations are thriving. The trees in the plantations are also in good condition. Two hundred and ninety-five plants planted about 15 years ago in *Trichinopoly* are doing well, but require thinning. Two of the surviving plants in *Tanjore* died. In *South Canara*, the 21 plants near Wandse tannah are doing fairly well, their average height being 14 feet, as also 18 in Pilankar reserve and 56 in Kombar rest-house compound. From 1 lb. of seeds sown in the nursery in *South Malabar*, only 21 plants were obtained and put out in the office compound. In the *Nilgiris*, the young trees in Mudumalai and Benne forest stations were thriving very well, some having attained a height of 30 feet with 40 inches in girth at base. Of the plants that survived in Bolampatti range, *South Coimbatore*, 34 died during the year leaving 145, of which the largest is 28 feet high and 13 inches in girth. One pound of seed was sown at Anamalai and 129 plants survive.

Swietenia macrophylla.—The sowings in Vinukonda range, *Guntúr*, are discouraging. Seedlings are doing well in Hasanapuram tope, *Cuddapah*. In *South Canara*, 56 plants, 10 years old, in Pathur range are in good condition, one of them having fruited this year for the first time. Thirty seedlings were planted in the compound of Mudabail inspection shed. There are a large number of plants scattered about in Manantoddy garden, *North Malabar*, but they are not growing rapidly. In *South Malabar*, the big tree in Chathambarai, 33 years old, is 95 feet high and 89 inches in girth and has not yet flowered. In Pokoti plantations, natural seedlings were springing up near older trees which had seeded. Ninety per cent. of the trees in Pokoti and Edacode plantations have been barked by deer and sambhar. Eight thousand six hundred and ninety seeds were sown resulting in 5,750 plants. One thousand and seventy-five were sown at stake and have germinated. Of 10,176 plants planted last year only 1,564 survive. This large percentage of failure is due chiefly to the attacks of deer and sambhar which nip off the young shoots. There are only 396 seedlings in Amarampalem range.

Mr. Morgan's African plant.—Of six that survived last year, only three are now alive and healthy.

Paspalum dilatatum.—In *South Salem*, it is thriving well in the experimental garden at Hastanpatti. In *Trichinopoly*, the offshoots of the grass were put down in regular strips over an area of 5 acres and did well so long as they were watered, but during the hot season they died for want of regular watering. The cultivation is not remunerative when the expense of watering is taken into account. Two pounds of seeds were sent to the Deputy Director of Agriculture and 2 lbs. to Messrs. Burnett & Sons at Rs. 2 per lb. About 11,225 lbs. of grass were sold to the public for Rupees 28–1–0.

Peltophorum ferrugineum.—The plants in *Tanjore* are thriving.

Camphor—20 pounds of seed were obtained from Japan of which 15 germinated. Two hundred and forty-seven plants came up and were planted out near the Conservator's bungalow at Vizagapatam. Some are thriving splendidly.

These Californian seeds were got from the United States Forest Department by

Pinus attenuator,	Pinus Toreyana.
,, monophylla,	,, Sabiniana.

the District Forest-officer, *Madura*, and put out in the nursery. They have come up very well and about 20,000 seedlings were ready to be planted out. These are expected to thrive admirably on the Upper Palni plateau.

Shorea robusta.—Only one plant survived in *North Malabar*.

5. Exploitation.

(a) System of Management.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

27. *Northern Circle.*—Clear fellings were carried out in 13·2 acres of Bandamurlanka plantation, *Gódávari*, and in 34 acres of coupes 6 and 7 of Gopavanipalem, 10 acres of Kanukolla, 6 of Vemarapad and 5 of Narasapur reserves in *Kistna.* In *Kurnool West*, plantation areas were clear felled excepting fruit trees and straight poles that would benefit by being left. Twelve coupes aggregating 1,140 acres in Adóni and Alúr Ranges of *Bellary* and coupes II of Illur reserve and III of Pamidi reserve, *Anantapur*, were also clear felled.

Central Circle.—Clear felling by area was conducted in the four casuarina plantations in *Nellore* assigned for exploitation in the working plan. The current year's coupes of the casuarina plantations in *North Arcot*, 60·05 acres in four compartments of the Cuddalore casuarina plantations, *South Arcot*, and four compartments of the casuarina plantations in *Tanjore*, aggregating 45 acres, were worked under this system. In *North* and *South Salem*, babul trees on 2 and 3 tank-beds respectively were clear felled.

Southern Circle.—1·87 acres of the casuarina plantation at Tannirbhavi in *South Canara*, and 150 acres in Begur, *North Malabar*, and 129·84 acres in coupe II of Karimpaya reserve, *South Malabar*, were clear felled.

(2) *Selection Fellings.*

28. *Northern Circle.*—In *Ganjám*, three blocks were opened to the extraction of dead sal timber and in *Gódávari*, compartment II (*e*) of Bandamurlanka reserved forest was worked departmentally. Mature and dead casuarina trees were felled in block I of Bápatla and Karlapalem reserved forests in *Guntúr* and all burnt trees in Neelayapalli reserved forest. In *Kurnool East*, dead timber was extracted departmentally in felling coupes and fire lines in the Railway working circle and in the Cumbum and Uyyalavada reserved forests. 23,608 cubic feet of timber was cut departmentally in *Kurnool West* and 400 sandalwood trees in Ramandrug blocks in *Bellary* were removed under the contract system.

Central Circle.—In *Cuddapah*, red wood and other timber were extracted departmentally at a cost of Rs. 1,994. In *North Arcot*, 2,214 cubic feet of sandalwood was collected by selection fellings on the Javadis, 916 cubic feet of red sanders from Mamandur, and 4,141 cubic feet of timber elsewhere. Several of the bamboo blocks were sold to contractors under this system in *North* and *South Arcot*. The extraction of sandalwood and other species was undertaken departmentally in *North Salem* and two timber compartments in Tirupattúr Range and five topes in Hosúr were worked under this system. In *South Salem*, 111 sandalwood trees in unreserves and 11 logs in Thumbakal reserved forest were felled departmentally. In *Trichinopoly* and *Tanjore*, babul fuel was collected from tank-beds.

Southern Circle.—Selection fellings were undertaken in the following localities:—One timber coupe in Shiradi working circle in *South Canara*, three coupes in *North Malabar*, two coupes in *South Malabar*, in Mudumalai and Sigur Ranges of the *Nilgiris*, and one compartment of Tekadi leased forests and in lower Punachi and in Andiparai sholai forests in *South Coimbatore*; 200 first-class and 100 second-class timber trees were removed on contract in *Madura*.

(3) *and* (4) *Improvement and Coppice Fellings.*

29. *Northern Circle.*—In *Ganjám*, 3 coupes (72 acres) of pollard sâl forests were sold to contractors, and 2 coupes in Mohiri Working Circle worked departmentally under coppice with standards. In *Gódávari*, the coupes in Rajahmundry Range and one coupe in Coringa reserved forest were treated under the same system, while two coupes in Kandikuppa reserve were coppiced. Improvement fellings were undertaken in two coupes of Pegha reserved forest, thinnings in three coupes of Coringa and one

in Bandamurlanka and cleanings in one coupe of Kandikuppa. One coupe at Avanigadda Mangrove Working Circle, one compartment in Upputeru and all fuel coupes in Bezwada and Ellore ranges, *Kistna*, were felled under the coppice with standard system; fifty-eight coupes in *Guntúr*, twelve of which were worked departmentally were similarly exploited. In *Kurnool East*, five fuel coupes and all bamboo coupes in the Railway working circle and the bamboo areas in the three chenchugudems were worked under improvement fellings, as also the fuel and bamboo coupes in four ranges of *Kurnool West*. Six coupes in the latter district were worked under coppice with standards. In *Bellary*, sixteen coupes were worked departmentally under coppice with standards and 200 acres in Kottakóta working circle in *Anantapur* under improvement fellings.

Central Circle.—In *Cuddapah*, nineteen coupes were worked under coppice with standards and two coupes in Pullampet were coppiced. In *Nellore*, three compartments in Sríharikóta working plan were treated under coppice with standards and seven compartments in Rapur working plan coppiced departmentally. The remaining coupes in these and other working plans were worked by contractors under coppice with standards. Thirteen coupes in *Chingleput* were sold to contractors with standards marked. In *North Arcot*, improvement fellings were undertaken in three coupes and fifty-one coupes (3,318 acres) were coppiced, forty-two departmentally and nine by contractors. In *South Arcot*, fifteen coupes were worked under coppice with standards, three of them departmentally and the rest on contract. In *North Salem*, ten fuel coupes were worked departmentally under the same system and five by contractors, while improvement fellings were conducted in sixteen bamboo coupes. In *South Salem*, two coupes were treated under improvement fellings and the rest under coppice with standards, five of which were worked by contractors, who also worked eight bamboo coupes. Coppice with standards was adopted in twenty-two coupes of Trichinopoly and seven of Tanjore, twelve and four of which were worked departmentally.

Southern Circle.—In *South Canara*, nine coupes were worked departmentally under coppice with standards and sixty cents in Malliar Reserved forest in Puttúr range cut as a sample area. In the *Nilgiris*, blue gum trees in Ootacamund and Coonoor ranges were felled on pure coppice and fuel extracted departmentally. In *South Coimbatore*, twenty-six coupes and one sample area were cut departmentally under coppice with standards. In *Madura*, seventeen coupes were worked by contractors and eighteen departmentally three of which under a modified permit system whereby trees were felled flush with the ground by Government, and permit-holders allowed to remove the felled trees on payment of prescribed fees. In *Tinnevelly*, thirty-five coupes were worked, one departmentally and the rest through contractors.

(5) *Unregulated Fellings.*

30. Felling and removal of produce under permits continued in all districts except *Tinnevelly* and *South Arcot*. It was generally restricted to unreserved areas and areas not under working plans and to extraction of inferior species of timber, fuel and bamboos necessary for local consumption. In the following districts the issue of permits to reserves was restricted to certain kinds of forest produce only as given below :—For bamboos in *Bellary*, *North* and *South Salem* and in some forests of *South Malabar* and *South Coimbatore*; for third-class timbers in Sirvel range of *Kurnool West*, and for grass and thorns in *Kurnool East*.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous produce.*

31. Minor forest produce was generally leased out to contractors or collected departmentally. In some few districts permits were issued. The manner of working this produce in each circle is noted below.

Northern Circle.—In *Ganjám*, the right of removing rela (*Cassia fistula*) bark alone was sold and no other sales except the leasing of topes of tamarind and mango trees were held. In *Vizagapatam*, the control of the collections was kept almost entirely in the hands of the department by issue of permits. The only lease granted was for collection of 100 cart-loads of tangedu (*Cassia auriculata*) bark. In *Gódávari*, minor produce

was, as usual, chiefly exported from Agency tracts and seigniorage levied thereon at prescribed rates. The minor produce in Polavaram range was leased out as in previous years. Babul gum was collected departmentally in *Kistna* and supplied to the Superintendent of Stationery as in last year. The Madras Railway Company and the Nizam's State Railway were, as usual, allowed to collect quarrying stone and metal in Bezwada reserve at an annual rental of Rs. 5 per acre. The Local Fund Department, and the Bezwada and Bunder Municipalities and the contractors on the Bezwada-Masulipatam construction branch were also permitted to quarry gravel and metal in Bezwada and Gundala reserves at the same rate. In *Guntúr*, gum, honey, wax and soapnuts were collected departmentally as in the previous year. In *Kurnool East*, most of the minor produce collected departmentally remained unsold for want of demand. In *Kurnool West*, the revenue collected was Rs. 42,636 against Rs. 36,153 of the previous year owing to better sales of tangedu, etc., barks and tree-tapping fees. In connection with the right of pre-emption for minor forest produce in the Nallamalais reserved by Government, it is to be noted that, though the question of outstandings of money said to have been advanced to Chenchus by the Sowcars still remained unsettled, good progress was made with the system of collecting minor produce departmentally through them.

Central Circle.—In *Cuddapah*, gallnuts, honey, wax, gum, etc., were collected departmentally at a cost of Rs. 1,173 and sold for Rs. 2,455. In *Nellore*, 5,760 maunds of minor produce in Sriharikota forests collected departmentally fetched Rs. 5,086 against Rs. 1,054 in the previous year, the increase being due to the large quantities of rattan bundles sold. During the year the Madras Harbour Trust Board was granted the exclusive right of quarrying in Tirusulam reserved forest in *Chingleput*. In *North Arcot*, 96 maunds of *Divi divi* pods were collected departmentally, as also the minor produce in the Mamandur forests. In *North Salem*, the tamarind produce of Tiruppattúr taluk and the tamarind, soapnuts and gallnuts of the Pennagaram Revenue Inspector's firka and in the Dharmapuri taluk was collected by departmental agency owing to want of satisfactory bids from contractors. In *South Salem*, gum was collected departmentally and supplied to the Superintendent of Stationery. *Divi divi* pods were collected departmentally in *Trichinopoly* and 509 maunds realised Rs. 274.

Southern Circle.—In *South Canara*, about 19 tons of catechu were manufactured departmentally at a cost of Rs. 3,144 and sold for Rs. 13,398 at Rs. 716 per ton, an exceptionally good price. Five maunds of cardamoms also were so collected and disposed of for Rs. 76. In *North Malabar*, produce was collected departmentally except in four reserves. In the *Nilgiris* also, departmental collection was undertaken and the produce sold on tender. Gallnuts were not collected owing to the fall in price of that produce. In *North Coimbatore*, the minor produce was collected by special departmental establishment as usual. In *South Coimbatore*, minor produce was generally collected by departmental agency, that in Pollachi range being leased by special arrangements to the Anamalai Planters Association. In *Madura*, no new leases for cardamoms were given during the year, but some of the previous leases had to be cancelled owing to the persistent default of lessees. Fresh leases for these lands have, however, since been entered into.

(2) *Extraction of Fodder.*

32. *Northern Circle.*—The pasture lands of three taluks in *Gódávari* were leased out as usual. In *Guntúr*, mangrove leaves were extensively used for fodder in Bápatla range and elsewhere and were removed on permits. Yepi (*Hardwickia binata*) leaves were cut during times of scarcity with the connivance of subordinates. In *Kurnool East* and *West*, permits were issued for grass, the collections however amounting to only about a third of the previous year's. In *Bellary* also, grass was removed under permits, while in *Anantapur* free removal was allowed.

Central Circle.—In *Cuddapah*, free removals of fodder grass were permitted. No departmental collection of fodder was made, but a portion of the balance of the produce was sold during the year. In *Nellore*, free removals continued till September 1905 in four taluks and Rs. 80 was realised on permits issued subsequently. In *Chingleput*, *North* and *South Arcot* and *North Salem*, free removal was allowed owing to the bad season, etc., but the concession was not largely availed of in the two last-named districts. In *North Arcot*, however, large removals were made and the

concession was much valued. In *South Salem*, removal of fodder grass on permit took place. In *Trichinopoly*, *Paspalum dilatatum* grass was sold for Rs. 28.

Southern Circle.—The right of collecting thatch grass, which is to a small extent used as fodder in *South Canara* was sold for Rs. 818 against Rs. 582 in the preceding year. Rs. 64 were realised in *South Malabar* by lease of grass in Chenat Nair. Permits were issued as usual for grass in Madura.

(3) *Hay-making.*

33. Hay-making operations in the presidency continued to be more or less on an experimental scale and this will continue to be the case until a definite policy is laid down in connection with the storing of fodder on a large scale in central localities not necessarily for immediate use in the year in which it was made but for supply in years of scarcity as recommended by the Famine Commissioners.

Northern Circle.—In *Guntúr*, the two presses bought two years ago were at work, and 428 tons of hay were cut and stored; the failure of the monsoons and want of demand prevented more being done. Two hundred and sixty bales of one cwt. each were hand pressed and sent to Vinukonda and other places. The total expenditure was Rs. 1,778 against Rs. 726 in the previous year and the receipts Rs. 910 against Rs. 226. The hay was sold at Rs. 10 per ton at Vinukonda, Rs. 8–2–0 at Balapalle. Elsewhere in depots it was ordered to be sold at cost price to make the operation a success, but still there were no appreciable sales. Samples of hay amounting to 2 cwts. 56 lbs. were sent to the Military Department in Bangalore, but no orders were received during the year. The Officer Commanding 30th Lancers, Bangalore, has however since purchased 150 tons. The Board has also sanctioned the appointment of a Superintendent for the operations. In *Kurnool East*, 180 tons of hill grass were cut departmentally and converted into hay at a cost of Rs. 1,017 for feeding Government bulls in charge of the department. The hay was readily consumed by the cattle which kept their condition fairly well notwithstanding the severe hot weather. One and a quarter tons of the hay were sent to the Superintendent of Military Grass Farms at Bangalore as a specimen, but nothing was heard from him regarding its suitability for military purposes. Nothing fresh was undertaken during the year in *Kurnool West.* In *Bellary*, 224 tons of dried grass were cut and transported at a total cost of Rs. 1,868; Rs. 983 were realised by sale of 82 tons including previous year's balance. Thirty-five bales of spoiled hay cut and collected in previous years in Adóni range were sold for Rs. 80. In *Anantapur*, 17½ tons that remained unsold at the close of the previous year were auctioned for Rs. 2.

Central Circle.—In *Nellore*, experiments were conducted in Rapur and Kávali ranges. Six tons were collected in the former at a cost of Rs. 47–5–10. Of this two tons were carted at a cost of Rs. 3 to Nellore where they were sold for Rs. 20–8–0, yielding a net profit of As. 13–8 per ton. Even this profit would not have accrued had it not been that the work of turning and stacking was done by departmental agency. Four tons of hay was still lying in the forest for want of demand. In *Chingleput*, 13 tons were collected in Pondavakkam reserved forest at a cost of Rs. 22–9–10 but the stock was not disposed of during the year. In *North Arcot*, nearly 32 tons were collected in Vellore West range at a cost of Rs. 86–14–6 and disposed of in head loads for Rs. 122–7–2. In Vellore East range, 71½ tons were collected at a cost of Rs. 218–2–6 and auctioned for Rs. 197–4–0, there being no demand in retail. In Chandragiri about 1½ tons collected at a cost of Rs. 9–13–6 are lying undisposed of for want of demand. In *North Salem*, 17 tons were collected at an expenditure of Rs. 85–5–2; of which 10½ tons were disposed of for Rs. 82–5–6. There was no demand for the balance of this year's or the previous year's collections. In *South Salem*, Rs. 85–15–0 were spent in collecting 25 tons of hay and Rs. 52 were realised by sale of nearly 17 tons. For 3½ tons stolen with the connivance of subordinates Rs. 25 was recovered from those concerned; 6½ tons of last year's balance had to be written off during the year.

Southern Circle.—In *South Canara*, 4 tons were manufactured and brought at a total cost of Rs. 68 to Mangalore, where, however, only 1 ton 2 cwts. were sold for Rs. 14. In *North Coimbatore* 11½ tons made in Erode Range at an expenditure of Rs. 54 fetched Rs. 116. In *South Coimbatore*, there was no demand for last year's hay, most of which was utilised as fodder for Government livestock.

(4) *Grazing.*

34. The following statement shows the revenue derived from "grazing and grass removals" during the year with that of the previous year:—

Circle.	1904-1905.	1905-1906.	Difference.
	RS.	RS.	RS.
Northern Circle	2,22,709	2,45,938	+ 23,229
Central „	2,83,871	2,89,583	+ 5,712
Southern „	1,20,894	1,27,316	+ 6,422
Total ..	6,27,474	6,62,837	+ 35,363

All the three circles show an increase during the year compared with the figures of the previous year. The increase in the Northern Circle was chiefly in *Kistna*, *Kurnool East*, *Bellary*, *Anantapur*, while that in the Central and Southern Circles in *North Arcot* and *North Coimbatore* respectively. The increase in the districts of *Kistna*, *Kurnool East*, *Anantapur* and *North Arcot* was due to better supervision and check and to the influx of large numbers of cattle from the adjoining districts of Guntúr and Nellore to the second mentioned district. The prompt steps taken by all range officers in *Bellary* in the issue of permits during the grazing season and the earlier collection of grazing fees consequent on the employment of special itinerating permit officers in *North Coimbatore* contributed to the increase in those districts. In *Nellore*, only one block of 176 acres was leased out during the year under the "Kancha" system, the total area thus leased up to date being 18,212 acres. The decrease in Chingleput, which is heavy when compared with the average of the three previous years is said to be due to the forests having been opened to free grazing for about three months of the grazing season, although in Nellore where the forests were opened for about the same period no such decrease but a substantial increase occurred.

The decrease in *South Salem* is said to be due to mortality of cattle and certain areas having been closed to goats. The Conservator, however, considers that the decrease was mostly due to insufficient supervision by the district staff.

(*b*) Agency of Exploitation.

(i) *Departmental Agency.*

35. Forms Nos. 55 and 56 show separately the different classes of produce collected and Form No. 57 indicates the stock disposed of and the balance on hand at the close of the year. The exploitation by departmental agency was necessary for conducting improvement fellings as prescribed in the working plans, for reducing unregulated fellings in reserves, for demarcation and fire line clearings, and for the supply of fuel, etc., to railways, to sale depots established in many important places for the convenience of the public, to Government Jails, Municipalities and other public departments. The total quantity of timber and fuel, the number of bamboos and the value of the minor produce extracted departmentally were respectively 48·5, 8 and 3·9 per cent. of their respective total outturn through all agencies and the total value of the disposals of the year was Rs. 9,73,724 as compared with Rs. 7,06,986 in the previous year, which testifies to the rapid extension in the departmental system of working.

Transport was chiefly effected by country carts, ponies, coolies, drag bullocks and buffaloes, donkeys, railways and boats. Floating of timber and bamboos along the river was also resorted to in certain districts. The wood felled in the Bendamurlanka plantation, *Gódávari*, and in Sríharikóta, *Nellore*, was carried by mono rail and tram, respectively, to canal boats. In *South Canara*, *South Malabar*, and *South Coimbatore* timber felled was dragged by elephants to the river bank or to the carting places. Timber from the Anamalai Hills, *South Coimbatore*, was transported by tram, wire-rope and country carts.

Timber.—The quantity of timber exploited was 536,208 cubic feet or 119,003 cubic feet less than in the previous year, the decrease occurring chiefly in *Cuddapah*, *North* and *South Malabar* counterbalanced by increase mainly in *Guntúr*, *Kurnool East*, *Bellary*, *South Canara* and *South Coimbatore*. The decrease in *Cuddapah*, is due to less demand for timber and consequent smaller extraction; and that in *North Malabar*, to the large stock of the previous year that remained in hand owing to difficulties with

the Mysore Durbar regarding transport of timber into that State; and that in *South Malabar*, to a considerable stock of last year being held over for want of purchasers, to the small number of logs obtained in thinnings and to the smaller area clear felled. The increase in the districts mentioned above was due mainly to the carrying out of departmental fellings on a more extended scale for supply to depots started in the various centres.

Fuel.—The amount of fuel removed departmentally was 10,429,234 cubic feet against 9,794,023 cubic feet in the previous year. The increase is marked in *Kurnool West* and *Madura* and is also distributed over *Kistna*, *Guntúr*, *North Arcot*, *North Salem*, *South Canara* and *South Coimbatore*. More extended sales from depots accounted for the increase in all districts. In addition to this some increase in the supply to Railways occurred in *South Canara* and *Madura*, as also in the supply to the Madura mills from the latter district. This increase was partly counterbalanced by decreases chiefly in *Gódávari*, *Kurnool East*, *Bellary* and *South Malabar*. The decrease in *Gódávari* was due to less yield from the coupes; in *Kurnool East* and *Bellary* to the large stock that remained at the end of the previous year and in *South Malabar* to the Madras Railway discontinuing the burning of wood fuel.

Bamboos.—The number of bamboos extracted departmentally was 2,574,515 or 1,910,439 more than in the previous year *i.e.*, nearly four times the quantity collected during 1904–1905. *Kurnool East* and *West* and *North Salem* mainly contributed to the increase owing to more extended departmental working of bamboo coupes for supply to depots.

Minor produce.—The produce collected was 131,364 maunds (of 25 lbs.) or 67,756 maunds less than in the previous year due to smaller collections chiefly in *Gódávari* and *Coimbatore North*, and to the fall in the value of gallnuts in the latter district. This decrease was partly counterbalanced by increase chiefly in *Guntúr* where gum and soapnuts were largely collected departmentally.

The supply of firewood and timber for agricultural implements to the rural population and to the ryots is detailed in chapter V.

(ii) *By Purchasers.*

36. The prepayment permit system is reported to have worked satisfactorily in *Kistna*, *Bellary*, *Nellore*, *North and South Arcot*, *North and South Salem*, *Trichinopoly*, *Tanjore* and *South Coimbatore*; but in *North* and *South Arcot* this system is confined to the issue of permits for grazing and manure leaves in reserves. In *Chingleput*, the post-payment and the prepayment systems are in force, the former extending throughout the district, while the latter is confined to small areas, as most of the permit-issuing officers have pleaded inability to make prepayments. Only one coupe was felled during the year under the modified permit system, the permit-issuing officer being stationed in the coupe and fuel cut under the supervision of the department. The removals on permits continue in *North Coimbatore* in all localities where sale depots have not yet been established. With the exception of *Gódávari*, other districts make no complaint about the prepayment system. In *Gódávari*, however, the system having been found unworkable, the post-payment system was reverted to during the year. Considerable progress has been made during the year in the replacement of the permit system by located fellings in coupes worked through contractors or departmentally, and in fact in some of the districts the system has been practically abolished. The checking and recovery of permits issued vary generally between 50 and 75 per cent., but in the districts of *Gódávari* and *Nellore* 95 and 90 per cent., respectively, of permits issued were recovered which is evidence of efficient check. The total value of sales was Rs. 5,95,158 from major produce including bamboos and Rs. 13,03,891 from minor produce, showing a decrease of Rs. 1,65,565 in the former and an increase of Rs. 82,949 in the latter over the preceding year's actuals. The decrease under major produce was distributed chiefly over *Gódávari*, *Kurnool East*, *Kurnool West*, *Kistna*, *Nellore*, *South Coimbatore* and *Tinnevelly* and was due to the smaller removals of timber from the unreserves of four ranges of *Gódávari*, to the partial abolition of the permit system and the introduction of the system of departmental extraction in *Kistna*, *Kurnool*, *East* and *West*, to the non-sale of the standing growth in the casuarina plantations of the coast range, *Nellore*, owing to the prevalence of insect pests and to the comparatively low prices realized for the growth sold in

auction in that district, to the smaller demand for bamboos during the year in *South Coimbatore* and to the lower bids for almost all the fuel coupes in *Tinnevelly*. The increase in minor produce arose chiefly in *Anantapur*, *Nellore*, *North Arcot* and *Trichinopoly*. The increase was due in *Anantapur* to the revival of the tanning trade, in *Nellore* to the flourishing state of the mica industry and to larger realization from tangedu bark, in *North Arcot* to the removal of larger quantities of leaves used as plates, avaram bark and manure leaves and in *Trichinopoly* to the keen competition amongst contractors.

The sales of confiscated produce are recorded in Form No. 72-B and show an increase of Rs. 4,903 over the amount realized in the previous year. This was due chiefly to the realization of more revenue from drift wood leases and to the crediting in the current year's accounts of certain lease amounts outstanding at the close of the previous year in *Gódávari* and to the sale of some confiscated boats in *South Canara*.

(iii) *Rights and Privileges.*

37. The following abstract statement shows the estimated quantity and value of produce removed under this head :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	1,311	97	257,510	4,825	20,489	115	38,450	1,309	44,796
Central ,, ...	..	..	..	..	..	..	..	1,166	1,166
Southern ,, ...	96,404	37,858	51	3	1,600	16	11	807	38,695
Total ..	97,715	37,955	257,561	4,828	22,089	131	* 38,461	* 3,282	84,657

* These figures are the totals of those given in the Collectors' reports. The variations between these and the figures entered by them in Form No. 56 have not been explained.

The value of produce removed under rights and privileges is estimated at Rs. 84,657 against Rs. 92,887 in the previous year.

(iv) *Free Grants.*

38. The following abstract shows the quantity and value of produce removed by free grantees :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	31,957	2,969	606	..	133,077	708	412	214	4,303
Central ,, ...	57,809	6,204	200	12	82,820	1,038	140	..	7,394
Southern ,, ...	14,688	2,332	2,800	163	4,417	272	98	..	3,273
Total ..	* 104,454	11,505	* 3,606	175	* 220,314	2,018	* 650	* 214	14,970

* These figures are the totals of those given in the Collectors' reports. The variations between these figures and those given by them in Forms Nos. 55 and 56 have not been explained.

The estimated total value of the free grants was Rs. 14,970 against Rs. 22,249 in the previous year. No grants were made in *Anantapur*, *Tanjore*, *South Malabar* and *Tinnevelly*. In other districts the grants were made chiefly to poor ryots for rebuilding houses and huts destroyed by fire, more especially in *Guntúr*, *Cuddapah*, *Nellore* and *Chingleput*; while in *Bellary* district, poor people were allowed grants for the construction of health camps outside towns and villages infected with plague and poor ryots in *Chingleput* were also allowed free grants of timber for constructing picottahs for baling water owing to the bad season. In *South Canara*, Rs. 129 worth of materials were given for building a chattram, temples and a mosque, which the Conservator thinks hardly suitable purposes for free grants. In *North Malabar*, 8,726 cubic feet of timber of the value of Rs. 1,815 was given to the Malabar District Board for the construction of a bridge at Begur.

(c) Outturn and Sources of Forest Produce.

39. The following abstract shows the total outturn of timber and other produce collected during the year under report and the previous year from reserved forests and from reserved and unreserved lands:—

(*Forms Nos.* 55, 56 *and* 72-*b*.)

Agency of exploitation.	Timber in cubic feet including sandalwood.		Fuel in cubic feet.		Bamboos in numbers.		Minor produce inclusive of grass and grazing (gross value in rupees).	
	1904–1905.	1905–1906.	1904–1905.	1905–1906.	1904–1905.	1905–1906.	1904–1905.	1905–1906.
1	2	3	4	5	6	7	8	9
By Government agency ..	655,211	536,208	9,794,023	10,429,234	664,076	2,574,515	47,216	55,877
By purchasers (including confiscation)	2,262,115	1,833,361	10,849,284	9,354,459	34,950,299	29,238,058	12,22,429	13,05,281
By right holders	120,711	97,715	257,577	257,561	21,639	22,089	41,517	41,027
By free grants	90,463	95,877	2,933	3,406	190,873	249,024	2,152	559
	3,128,500	2,563,161	20,903,817	20,044,660	35,826,887	32,083,686	13,13,314	14,02,744

The results show a decrease in all the major produce and an increase in the minor produce. These variations have already been explained.

The rates of grazing fees levied in the several districts are shown in Form No. 53. The number of animals licensed to grazing on payment was 3,521,895 against 3,285,579 in the previous year.

CHAPTER III.—FINANCIAL RESULTS.

40. The financial results of the Presidency compared with those of the previous year and with the average of the five years preceding show a net decrease of Rs. 25,901 and Rs. 28,966, respectively—

—	Years.					Average per year.	1904–1905.	1905–1906.
	1899–1900.	1900–1901.	1901–1902.	1902–1903.	1903–1904.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	7,13,954	7,79,146	8,86,581	8,64,915	8,94,216	8,27,763	9,61,129	10,42,252
Central ,, ...	9,63,093	9,34,847	10,22,586	10,17,632	10,01,313	9,87,894	10,62,715	10,79,938
Southern ,, ...	6,36,460	7,29,780	5,87,327	7,10,232	7,95,042	6,91,768	8,06,698	9,14,702
Total ..	23,13,507	24,43,773	24,96,494	25,92,779	26,90,571	25,07,425	28,30,542	30,36,892
Expenditure—"A. Conservancy and Work."								
Northern Circle	2,29,397	2,13,108	2,31,660	2,55,084	2,91,822	2,44,214	3,85,279	4,78,135
Central ,, ...	2,85,449	2,76,620	3,20,428	2,92,415	2,56,418	2,86,266	3,10,959	3,43,121
Southern ,, ...	3,17,555	3,86,322	3,35,137	4,24,886	3,89,481	3,70,677	4,81,924	5,58,575
Total ..	8,32,401	8,76,050	8,87,225	9,72,385	9,37,721	9,01,157	11,78,153	13,79,831
Expenditure—"B. Establishments."								
Northern Circle	2,65,661	2,57,146	2,58,497	2,59,801	2,80,763	2,64,374	2,93,777	3,16,403
Central ,, ...	2,94,553	3,14,479	3,10,844	3,10,342	2,94,846	3,05,013	3.04,821	3,06,048
Southern ,, ...	2,95,581	2,90,515	2,89,555	2,84,027	2,79,095	2,87,754	3,07,729	3,14,449
Total ..	8,55,795	8,62,140	8,58,896	8,54,170	8,54,704	8,57,141	9,06.327	9,36,900
Total of A and B.								
Northern Circle	4,95,058	4,70,254	4,90,157	5,14,885	5,72,585	5,08,587	6,79,056	7,94,538
Central ,, ...	5,80,002	5,91,099	6,31,272	6,02,757	5,51,264	5,91,279	6,15,771	6,49,169
Southern ,, ...	6,13,136	6,76,837	6,24,692	7,08,913	6,68,576	6,58,431	7,89,653	8,73,024
Total ..	16,88,196	17,38,190	17,46,121	18,26,555	17,92,425	17,58,297	20,84,480	23,16,731
Net results.								
Northern Circle	+ 2,18,896	+ 3,08,892	+ 3,96,424	+ 3,50,030	+ 3.21,631	+ 3,19,175	+ 2,82,073	+ 2,47,714
Central ,, ...	+ 3,83,091	+ 3,43,748	+ 3,91,314	+ 4,14.875	+ 4,50,049	+ 3,96,615	+ 4,46,944	+ 4,30,769
Southern ,, ...	+ 23,324	+ 52,943	− 37,365	+ 1,319	+ 1,26,466	+ 33,337	+ 17,045	+ 41,678
Total ..	+ 6,25,311	+ 7,05,583	+ 7,50,373	+ 7,66,224	+ 8,98,146	+ 7,49,127	+ 7,46,062	+ 7,20,161

The gross receipts were Rs. 2,06,350 more than that of the previous year and the total expenditure was greater by Rs. 2,32,251. The net results show a surplus of Rs. 7,20,161. In the *Northern Circle* the surplus fell from Rs. 2,82,073 to Rs. 2,47,714, while profits in the *Central Circle* fell from Rs. 4,46,944 to Rs. 4,30,769. In the *Southern Circle* the surplus has risen from Rs. 17,045 to Rs. 41,678. The total receipts for the year rose by 7·29 per cent. and the total charges by 11·1 per cent. About 37 per cent. of the expenditure was devoted to the upkeep and improvement of the forests and 63 per cent. to exploitation, etc. Departmental working yielded a profit of 9 per cent. against a similar percentage in the previous year. But there remained a large stock of unsold timber at the close of the year, chiefly in *Kurnool East*, *North* and *South Malabar*. It will be observed from Form No. 58 that the value of timber and other produce at sale depots at the close of the year amounted to Rs. 5,81,222 which was Rs. 85,419 more than what it was at the close of the previous year. If the value of this stock be taken into account, the profit of the departmental operations would amount to a percentage of 19 per cent. The decrease in the percentage of profit, as compared with previous years, is chiefly due to the fact that a much larger quantity of firewood is now worked departmentally than in former years, and on this product the profit made by the department is necessarily small owing to firewood being generally supplied from Government depots at a much lower rate than what previously existed in the open market when supplies were met by the permit system. The outstanding revenue at the beginning of the year was Rs. 1,64,227 (Rs. 1,65,950 — Rs. 1,723 on account of remissions, etc.) and the value of sales, etc., during the year amounted to Rs. 30,48,766. Out of the total of Rs. 32,12,993, Rs. 30,36,892 were collected and Rs. 144 written off, leaving an outstanding balance of Rs. 1,75,957 at the close of the year. The variations under the several budget heads of revenue and expenditure during the two years 1904–1905 and 1905–1906 are explained below :—

Receipts.

(i) *By Departmental Agency.*

Timber + *Rs.* 9,930—Due mainly to increased sales in depots in *Kurnool West*, to sale of timber including the stock of 1904–1905 in Mudumalai and Segúr ranges of the Nilgiris, to the increased rate obtained for blackwood in that district, to increased sales and supply of a larger quantity of sawn timber to the Public Works Department than in the previous year in *South Coimbatore*, and to the special supply of sawn teak to the Wellington factory at special rates from the same district.

Fuel + *Rs.* 1,26,087—Due to (1) the opening of fuel depots at convenient centres in several districts, to the supply of firewood to the Railway and the renewal of Commissariat fuel supply in the *Nilgiris* and to increased departmental supply of firewood to the Madura Mills from *Madura*.

Bamboos + *Rs.* 40,228—Due to opening of sale depots principally in *Kurnool West* and *East*.

Sandalwood + *Rs.* 79,450—Due to the working in *North Arcot* of a larger area than in the previous year according to the working plans and to better prices having been realized during the year and to the crediting of revenue within the year in *North Coimbatore* for sandalwood sold in Europe by Messrs. Pierce, Leslie & Co.

Minor produce + *Rs.* 11,041—Due chiefly to the disposal of a large quantity of the minor produce which remained unsold at the end of 1904–1905 in *Nellore*, and also to the large amount realized from sale of rattan in that district, and to the collection in part of the value of catechu appertaining to the previous year in *South Canara*.

(ii) *By Purchasers.*

Timber — *Rs.* 27,624—Due to the stoppage of large sales of timber on waste lands pending an alteration of the darkhast rules in *Ganjám*, to smaller removals of timber from unreserves in *Gódávari*, and to the abolition of the permit system and to the introduction of the depot system in *Kurnool East* and *West*.

Fuel — *Rs.* 80,135—Due to smaller issue of fuel permits and to the closure of the sál blocks to fuel extraction in *Ganjám*, to the departmental working of

some coupes for supply to sale depots in *Kistna*, *Kurnool West*, *North Arcot*, *North Salem*, *Tanjore* and *South Coimbatore*, to the standing growth in the casuarina plantation of the Coast Range in *Nellore* set down for sale during 1906–1907 not having been sold during the year owing to the prevalence of insect pests in other parts of the plantations necessitating heavy work in connection with the uprooting of dead trees and the comparatively low prices realized for the growth sold in auction, and to lower bids for almost all the coupes in *Tinnevelly*.

Bamboos — Rs. 21,574—Due chiefly to the abolition of the permit system and the opening of the depot system in *Kurnool West* and *East* and to smaller realizations from bamboos removed in *South Salem*, which the Conservator considers to be chiefly due to insufficient check by the Range establishment.

Grazing and Fodder grass + Rs. 35,363.—The reasons for the increase are explained in paragraph 34.

Other produce + Rs. 19,357.—The increase is mainly due to the increase under tree tapping revenue and tangedu bark sales in *Kurnool West*, to brisk competition in the sales of minor forest produce (tangedu bark, etc.) in *Anantapur*, to better prices realized for tanning barks in *Cuddapah*, and to the flourishing state of the mica industry in *Nellore* as well as to the increased amount realized by sale of tangedu (*Cassia auriculata*) bark in that district.

(iii) *Miscellaneous (including confiscated drift and waif wood).*

Revenue+Rs. 14,227.—Chiefly due to realization of higher bids for drift wood leases including the outstanding revenue of the previous year under the head in *Gódávari* and to increased revenue from compounding fees chiefly in *Guntur*, *Kurnool East* and *Nellore*.

Expenditure.

A.—Conservancy and Works.

The total expenditure exceeds that of the previous year by Rs. 2,01,678 and is due mainly to the following causes—(1) Increased departmental operations necessitating increased expenditure under head I in several districts, (2) purchase of bulls, carts, country vessels, and boats in the *Northern* and *Southern Circles*, (3) construction of new buildings in the *Northern Circle*, principally in Kurnool East and West, (4) compensation for a depot site acquired in *South Canara*, (5) sowing and planting operations principally in *Kurnool West* and fencing operations in Adóni, and Alúr ranges, Bellary, undertaken in accordance with the prescriptions of the sanctioned working-plans.

B.—Establishments.

The cost increased by Rs. 30,573 due mainly to (1) the transfer of an Assistant Conservator of Forests, Mr. Barry, from Ceylon to this Presidency, (2) the promotion of two Extra Assistant Conservators of Forests to the Extra Deputy Conservators' class, (3) the formation of additional forest divisions in the *Northern* and *Central Circles*, (4) the entertainment of additional establishment mostly in the *Northern Circle*, (5) the establishment of the forest training school at Coimbatore in the *Southern Circle* and (6) to the grant of annual increments to members of the office establishment.

Revenue.—Nellore heads the list by contributing nearly 15 per cent. of the net surplus. *Cuddapah* and *North Coimbatore* stand next with 12 per cent, respectively, followed by *North Arcot* which yields 11 per cent. *Madura* gives 10 per cent. *Guntúr* and *South Arcot* 8 per cent. each and *Bellary* 7 per cent.

CHAPTER IV.—ADMINISTRATION.

41. During the year, the Cuddapah district was divided into three Forest charges with head-quarters at Cuddapah for the *North* and *East Cuddapah* divisions and at Madanapalle for the *South Cuddapah* division. The Gódávari district has since been divided into two, viz., *Lower Gódávari* and *Upper Gódávari*. A portion of the old Palghat range was transferred from *South Malabar* to *South Coimbatore* division and a

new range called Mannarghat was formed. The Adóni range in *Bellary* was divided into two, viz., Alúr and Adóni, and the Kollegal and Ramapuram ranges were again separated into two Range charges.

42. *Conduct of establishment.*—It is to be regretted that the conduct of the executive establishment showed no improvement during the year, and cases of neglect of duty, general incompetence and shirking work appear to have been not unusual throughout the three Circles. This has been more especially the case in connection with departmental working for supply to depots which nearly all Rangers of the old school dislike and many of the junior men who come from Dehra appear to imagine that all such work should be relegated to contractors in order that they may enjoy a life of comparative ease and comfort free from the many worries which undoubtedly exist, when anything new is being inaugurated. The conduct of the establishment is referred to in detail below :—

Executive staff—Northern Circle.—In *Ganjám*, one Ranger was transferred and forfeited promotion for two years for inefficiency and neglect of work, and one Deputy Ranger in charge of a range was suspended for 15 days for faults connected with his administration. In *Gódávari*, the work of three Rangers was unsatisfactory and one Deputy Ranger was reduced after suspension. One temporary Deputy Ranger absconded with some Government money advanced to him and was dismissed. A temporary Deputy Ranger in *Kistna* was dismissed for incompetency. In *Guntúr*, one permanent and one acting Ranger were reduced for repeated neglect of duty and transferred. A temporary Deputy Ranger was suspended and prosecuted for criminal breach of trust and sentenced to six months' rigorous imprisonment. One Ranger in *Kurnool East* was reduced for three months for unsatisfactory work. In *Bellary*, a Ranger was reduced for repeated neglect of duty and insubordination and transferred, and two Deputy Rangers were reduced for the same reasons, two more were dismissed and the services of one were dispensed with. The work of Deputy Rangers especially those in Range charge in *Anantapur* was very poor and one Deputy Ranger was reduced for hushing up cases.

Central Circle.—In *Cuddapah*, a Ranger was reduced a grade for six months for disobedience of orders and incompetence The cases against a Ranger and a Deputy Ranger in *Nellore*, mentioned in last year's report, resulted in the acquittal of the former and dismissal of the latter. In *North Arcot*, one Ranger was suspended and temporarily reduced for slackness of duty and one Deputy Ranger was reduced. In *South Arcot*, Deputy Rangers not in charge of Ranges neither worked nor behaved satisfactorily ; one was suspended and another accused of embezzlement. The enquiry in this case has not yet terminated. The work of the Ranger in *Tanjore* was unsatisfactory and charges were framed against him towards the close of the year. In *Trichinopoly*, one Ranger was dismissed and charges were drawn up against another. One Deputy Ranger was also reduced.

Southern Circle.—In *South Canara*, one Ranger was dismissed for monetary transactions with a contractor and the services of another were dispensed with for incapacity and general inattention to work, but he was reinstated on appeal. In *North Malabar*, one Ranger's work was particularly bad and a Deputy Ranger was reduced for neglect of duty and incompetence. In the *Nilgiris*, one Deputy Ranger misappropriated Rs. 746-9-0, the sale proceeds of permits issued by him, and has since been sentenced to four years' rigorous imprisonment. A Ranger in *North Coimbatore* was reduced and transferred for incompetence and another in *Tinnevelly* suspended for three months for not submitting his diaries for several months.

43. *Protective staff.*—The conduct of the protective staff was unsatisfactory as usual, though in some districts a slight improvement was reported. There were the usual number of suspensions, reductions, dismissals, criminal prosecutions and convictions for various irregularities. In *Kurnool West*, one watcher was prosecuted for misappropriating compounding fees and sentenced to three months' rigorous imprisonment. In *Bellary*, a Forester under suspension was prosecuted for misappropriating Government money advanced to him, but the case has not been disposed of. A watcher in *Cuddapah* was prosecuted for extortion and sentenced to six months' rigorous imprisonment and one Forest guard absconded without handing over his uniform. A Forester and one Forest guard in *Tanjore* were prosecuted for breach

of trust and convicted. In *North Coimbatore*, a permit-issuing officer was convicted of criminal misappropriation and sentenced to one week's rigorous imprisonment and fined. One watcher and a tannadar were convicted of extortion and criminal breach of trust respectively, and one Forest guard is under trial for extortion.

44. *Ministerial establishment.*—The conduct of the ministerial establishment was with some exceptions generally satisfactory. One Range clerk in *Nellore* was removed from service for neglect of duty. In *Tanjore*, the Head clerk of the District Forest office resigned when charges of incompetency and neglect of duty were framed against him. In *Trichinopoly*, the Head clerk of the District Forest office was reduced and two Range clerks dismissed. Two peons were also suspended and one dismissed.

45. *Health of the establishment.*—The health of the establishment was fair in all districts except *Ganjám*, *Vizagapatam*, *Gódávari*, *Kurnool East* and *South Malabar*. The sub-division in *Gódávari*, the Sriharikóta and the Coast ranges in *Nellore*, the Javadis in *North* and *South Arcot*, the Pachamalais in *Trichinopoly*, and Mudumalai and Segúr Ranges in the *Nilgiris* maintained their notoriety for unhealthiness.

46. *Relations between Revenue and Forest officials.*—The relations were generally cordial, there having been no cases of friction during the year. The District Forest Officers and Range Officers generally attended jamabandi camps wherever practicable or had personal interviews with Revenue officers. In *Kurnool West*, a memorial was sent by the Yerikulas to the Board regarding bamboos, but their complaint was found to be untrue. The public of *Kurnool* petitioned the Board and Government regarding the heavy rates charged for fuel in Kurnool depot which were due to the distance (55 miles) the fuel had to be carted. The rates were by orders of Government reduced considerably and it is hoped that a reduction in the charges of transport will also be effected by substituting carriage by boat *viâ* the canal, for transport by road. The ryots of Irukulam village in *Chingleput* prayed for the disafforestation of Irukulam reserve and its assignment to them for cultivation, but their request was not granted as it was found that they had a good deal of waste lands at their disposal. In *North Salem*, the ryots of Pennagaram repeated their request for permission to graze cattle throughout the taluk on one permit and the hill tribes of the Javadis petitioned for free grazing in reserves; both these were under consideration. The ryots of Jadayagoundam adjoining the Andiappanur reserve requested to be allowed to take their licensed cattle to the Andiappanur reserve through closed areas adjoining the village and were permitted to do so, provided they fenced the path on both sides with thorns cut from the reserve.

47. *Service-books.*—Maintained and verified.

48. *Tours of the Forest Member.*—The Hon'ble Mr. H. A. Sim, C.I.E., was Forest Member of the Board up to 13th November 1905 and the Hon'ble Mr. C. J. Weir during the remaining portion of the year. The former visited the district of Kurnool and the latter the districts of South Malabar, South Canara and Tanjore. The Forest Member also presided over the sittings of the Forest Code Committee at the Nilgiris during May and June 1906.

49. *Conservators' inspections.*—The Conservators visited all the districts except *Tanjore* and *North Malabar*. The Conservator, Northern Circle, inspected the District Forest offices of *Vizagapatam*, *Guntúr* and *Bellary*. In the Central Circle, all District Forest offices except *North Arcot* and *North Salem* were inspected. The Conservator, Southern Circle, inspected the *North* and *South Coimbatore*, *South Canara* and the *Nilgiris* District Forest offices during the year. In the Northern Circle, *Anantapur* was inspected at the very close of the previous year and *Gódávari*, *Kistna*, *Kurnool East and Kurnool West* since the close of the year. In the Central Circle, *North Arcot and North Salem* could not be inspected within the year, owing to the Conservator being engaged on the Code Committee during June, the month assigned for these two office inspections. The same reason applies for the Southern Circle Conservator not inspecting some of the offices in his circle within the year.

50. *Touring of District Forest Officers.*—More than six months were spent by all District Forest Officers in camp except the District Forest Officers of *Nellore* and the

Nilgiris. The six months' minimum does not apply to the latter. In the former, the short touring was due to the illness of the District Forest Officer which prevented him from going out for a month.

51. *Inspection of Range Offices.*—All the ranges in the districts were inspected twice except in *Ganjám*, *Gódávari*, *Guntúr*, *Kurnool West and East*, *Bellary*, *Cuddapah*, *Nellore*, *North Arcot*, *Trichinopoly*, *South Canara*, the *Nilgiris*, *North* and *South Malabar*, *North Coimbatore*, and *South Coimbatore*, where some ranges were inspected only once. In the *Nilgiris*, two Range offices were inspected thrice. Several depots were also inspected.

52. *Audit of accounts of the District Forest Offices.*—The accounts of 1904–1905 of all District Forest Offices except those of *Gódávari*, *Cuddapah*, *Tanjore*, and *Trichinopoly*, were audited by the Local Fund Inspecting staff of the Accountant-General's office and the results of the inspections were reported to be satisfactory. The accounts of the excepted districts had been audited late in the previous year. *Ganjám*, *Kistna*, *Chingleput*, *South Salem*, *North* and *South Coimbatore* were audited twice. The Assistant Accountant-General inspected the accounts of *Guntúr*, *Bellary*, *North* and *South Coimbatore*.

53. *Forest College, Dehra Dun.*—During the year, four Government students from the Central Circle, one stipendiary and three Government students from the Northern Circle and one stipendiary and two Government students from the Southern Circle were deputed to the Dehra Dun College for training: one Government and three stipendiary students returned from the College to the Central Circle, one Government and one stipendiary student to the Northern Circle and one Government student to the Southern Circle, all having obtained the Ranger's certificates.

54. *Forest schoool at Coimbatore.*—M.R.Ry. C. M. Maduranayagam Pillai replaced M.R.Ry. V. S. Gurunatha Pillai in charge of the school. A special report on the result of the work during the first session was submitted to the Board. The training has now been made more practical and the students of the second session acquitted themselves creditably in the final examinations. There is a dearth of applications from private candidates qualified under the examination rules, and unpassed men are not, as a rule, satisfactory students. During the current session there has been much fever among the students due to their camping in an unhealthy spot for some days. Of the 53 students who attended the school during the two first sessions, 46 obtained pass certificates; attendance certificates were issued to the remainder.

Work and Services of Superior Officers.

55. *Northern Circle.*—Mr. A. W. Lushington, the Conservator of Forests, writes as follows:—

"Every officer in the division seems to have made an endeavour to do better than any of the others, a splendid willing set of men of whom any Conservator might be proud. It is invidious to make any distinction, but is possible to show the principal lines in which each has excelled.

"*Messrs. Cox* and *Bennett* in *Ganjám* did excellent work in marking out the sâl blocks and had a most desperate struggle throughout the hot weather combating the fires.

"*Mr. Aitchison* in *Vizagapatam* got his coupeworking in all three ranges into first rate order; he had also for the past two or three years effected most successful fire protection in the Golgonda range; but whereas it was his custom to go round at the beginning of the fire season to grant rewards for the preceding year, when he went on leave, his *locum tenens* failed to do so with fatal results.

"*Messrs. Foulkes* and *Rego* in *Gódávari* were most successful over the fire protection in the upland taluks.

"*Mr. Seager* in *Kistna* introduced far better protection, started the abolition of the permit system and the extension of depots and developed the firewood revenue whilst improving the forests.

"*Mr. Dawson*, in *Guntúr*, was indefatigable in his inspections to put an end to the illicit removals which were notorious a few years back."

"*Mr. Wood*, in *Kurnool West*, was indefatigable in abolishing the permit system and introducing a scientific working of small timber, firewood and bamboos, in adopting the Chenchus and getting them to work especially on plantations which promise to be a most valuable undertaking, in fire lining, and getting the same Chenchus to protect from and put out fires: in extracting, especially with the aid of M.R.Ry. Aswatham Naidu, an enormous mass of dead timber lying about as the results of the destruction caused by the permit system, and most ably helped by M.R.Ry. Ananda Rao in protecting the Yerramalais and in building depots and other important construction.

"M.R.Ry. Rama Rao, in *East Kurnool*, followed the lines adopted by Mr. Wood in putting a stop to permits, collecting dead wood and material on the fire lines, scientifically extracting bamboos, utilizing the Chenchus helped by Mr. Thompson, continuing the fire lining and bringing out 20,000 tons of firewood for the railway.

"Mr. Cowley-Brown in *Bellary* in opening numerous coupes and depots for firewood and hay, working the forests in a scientific way, collecting material for and preparing working plans, and above all making a great stride in the protection of this hitherto badly protected district.

"Mr. Barlow-Poole in *Anantapur* following on almost precisely the same lines as Mr. Cowley-Brown on a somewhat smaller scale, but also in preparing a large number of fresh reserves for reservation."

Central Circle.—The following is an extract from the Collector's remarks in the district reports with the opinion of the Conservator added underneath :—

Cuddapah.—"I have no remarks to offer (Mr. Hodgson was in charge)." The Conservator is of opinion that Mr. Hodgson's work was satisfactory, but, the district of Cuddapah is too large for any one officer to efficiently supervise the work of all his Rangers.

Nellore.—"Mr. Murray has left the district : his work has been fully alluded to in previous reports and the Collector has nothing to add to what he said last year." The Conservator is of opinion that the carrying out of pruning operations in some of the casuarina plantations not authorized by the working plans or the Conservator, contributed somewhat to the spread of fungus and borers in the plantations operated on.

"M.R. Ry. C. M. Maduranayagam Pillai Avargal, who has shown himself elsewhere to be an energetic and capable officer, was too short a time in this district to have left his mark on it. M.R. Ry. T. M. Nallaswami Naidu Garu, Rao Saheb, has displayed in this district the zeal, industry and intelligence for which he has been noted in other districts." The Conservator considers that this officer's efforts to extend the system of sale of produce from depots in the district met with considerable success more especially in Nellore town where sales are about five times greater than they formerly were when other officers were in charges.

Chingleput.—"The work of the District Forest Officer, Mr. Woutersz, who was in charge of the district during the year under report continued to be as good as in previous years. He did all that could be done with the means at his disposal and I continued to entertain the favourable opinion of him to which I have given expression in previous reports." The Conservator is of opinion, after personal inspections of several reserves in Tiruvellore range, that the realization of the grazing revenue should have been better and protection from goat browsing more efficient, more especially, considering the large establishment relative to area of reserves employed in the district.

North Arcot.—"Mr. J. S. Battie and Mr. D. T. Barry—both left the district before I arrived. Mr. Syed Burhan-ud-din Saheb is doing excellent work and is co-operating loyally with me in extension of fodder and green manure." The Conservator considers that Mr. Battie's administration was as efficient as usual, while Mr. Syed Burhan-ud-din Saheb worked with excellent results in extending the depot system of sales in the district more especially during the period he acted as District Forest Officer during Mr. Battie's absence. His work in securing efficient protection of his reserves was also commendable and the Conservator can vouch for this after personal inspection.

South Arcot.—"Mr. Peake, the District Forest Officer, worked with his usual zeal and discretion. His efforts to clear off old arrears of work in the office were to a great extent successful. The Conservator endorses the Collector's views regarding Mr. Peake's work. M.R. Ry. V. S. Gurunatha Pillai Avargal, Extra Assistant Conservator of Forests, 2nd grade, in charge of Tiruvannamalai range * * * worked hard and willingly, but was not able to do all there was to be done, and having been for some years unaccustomed to administrative charge was not very successful in office work." The Conservator agrees.

North Salem.—" As I only joined the district at the end of February, I am unable to say much regarding the District Forest Officer's work. From what I have seen, it was on the whole satisfactory though perhaps Mr. Bapu Rao showed some tendency to prefer the inspection of offices to that of reserves." The charge, the Conservator thinks, was rather too large for an officer of Mr. Bapu Rao's capacity. But he worked hard in extending depots and his efforts would have met with more success in this direction had he maintained a closer supervision over the work of his subordinates.

South Salem.—" As I only joined the district in the latter part of February 1906, I am not in a position to say much under this head. So far, however, as I could judge, the work and conduct of the controlling officers were satisfactory." The Conservator thinks that the extension of sales in depots in Salem hardly made as much progress as it might and that this was due partly to insufficient protection of forest growth in reserves and unreserved lands and to the leasing out by Mr. Murray of sale depots in Salem town without consulting the Conservator, and so binding the department to fixed rules and rates for a whole year.

Trichinopoly.—M.R.Ry. T. M. Nallaswami Naidu Garu, Rao Sahib, and Mr. Thornton were in charge of this district during the year for about five and seven months, respectively. The Collector states that he was not satisfied with what he saw of Mr. Nallaswami Nayudu's conduct of his office work and the management of his establishment. He considers Mr. Thornton a zealous and energetic officer. The Conservator thinks that the protection of the Vyampatti range forests from goats should have been more efficient, but that Mr. Nallaswami Nayudu deserves much credit for the successful establishment of depots in Trichinopoly during the period he held charge. As regards Mr. Thornton he worked with his usual zeal and energy and was most successful in defining and mapping the large area of valuable padugai lands in charge of the department as well as in securing the protection of his forests.

Tanjore.— . . . " Mr. Thornton has brought zeal and energy to his new post and has done much to waken up the administration of this uninteresting forest charge ".

Southern Circle.—Mr. F. A. Lodge, the Conservator of Forests, writes as follows: "The work of the Imperial officers has, as usual, been satisfactory; the Collector of South Canara remarks of Mr. Latham that he has been working with zeal and energy; the large development in departmental fuel supply bears testimony to this. Mr. P. M. Lushington had charge of both the Malabar districts, but was hampered in his timber work owing to the difficulties raised by the Mysore Darbar.

" Mr. Jackson continued in charge of the Nilgiris throughout the year. Regarding North Coimbatore, the Collector remarks that Forest Administration has received a great impetus during Mr. Fischer's tenure of office, and of Mr. Scot, he says that he has worked his district with ability and energy.

" In Madura under Mr. Bryant, the year has been one of satisfactory progress. Mr. Richmond was compelled to take sick leave from Tinnevelly during the year and his place was taken by Mr. Barry.

" Where all officers have worked hard and willingly, I consider that, with my limited experience of the circle, it would be invidious to make special mention of any particular one, and I have therefore limited myself to quoting the Collectors' remarks in the district reports. Every Imperial officer in the circle takes a keen interest in his work and does his best for the improvement of the forest estate in his charge.

" Mr. H. A. Gass, Conservator of Forests, and Mr. H. O'Neill, Extra Assistant Conservator, retired from service during the year."

CHAPTER V.—GENERAL.

56. *Realization of revenue from the usufruct of toddy-yielding trees on Government wastes and poramboke lands.*—The revenue realized under this head in *Vizagapatam*, *Tanjore*, *Trichinopoly*, *South Malabar*, *South Coimbatore*, and *Madura*, was small. In *Gódávari*, the revenue again fell from Rs. 4,743 to Rs. 3,460; while in *Guntúr*, *Kurnool East* and *West*, *Bellary*, and *Anantapur*, there was an increase. In *Kurnool East*, the increase was due to a larger number of trees having been applied for. In *Bellary*, the fixed fee system was in force. A sum of Rs. 378 was realized by leasing

date trees in reserved forests. In *Cuddapah*, the fixed fee system continued and the revenue collected was a little less than in the previous year. This was realised, almost entirely from trees on unreserved lands, very few applications having been made for trees in reserves. In *Nellore*, the revenue under this head rose a little and the rate charged for palmyra and date tree continued to be one anna per tree per annum. In *Chingleput*, the revenue realized was Rs. 2,849. There was a slight decrease and increase respectively in the revenue under this head in *North* and *South Arcot*. In *North* and *South Salem*, the fixed fee system remained in force and the usufruct of the trees not taken up under this system was leased out without prejudice to the enjoyment by villagers of the privileges under rule 7 of the rules under section 26 of the Forest Act. The amount collected in the two divisions was Rs. 842 and Rs. 2,199 respectively against Rs. 1,611 and Rs. 3,144 in the previous year. In *South Canara* and *Tinnevelly*, the revenue derived was Rs. 3,278 and Rs. 2,968 respectively against Rs. 3,205 and Rs. 3,427 in the previous year. In *South Coimbatore*, there are practically no toddy-yielding trees in the reserved forests, all toddy being obtained from cocoanut trees in private topes.

57. *Measures adopted to encourage the growth of manure leaf-yielding trees and shrubs.*—In the *Northern Circle*, no steps were taken in this direction except in *Kurnool East* and *West*, as an adequate supply of leaves is obtained outside the reserves in the districts where the people are in the habit of using leaf manure while no demand for manure leaf exists in other districts of this circle. In *Guntúr*, at present no demand for manure leaves exists; nor is it likely to arise until the wet cultivation in the upland taluks increases. It is, however, proposed to sow Kanuga (*Pongamia glabra*) seeds received from *Kurnool East* along the water cources during the current year. As an experiment one waggon load and eight cart loads of manure leaves from *Kurnool East* and *West* respectively were sent to Nandyal for sale, but the price realized was less than the cost of collection and transit charges. Further experiments will, however, be made in the next second-crop season to supply ryots around Cumbum, where it was reported that manure leaves sell for Rs. 2 per cart-load. In *Nellore*, the present demand can be adequately met from the shrubs available in the reserved, unreserved and patta lands. In *Chingleput*, an area of 438 acres was sown with seeds of leaf-manure species, but the operations were not successful, owing to want of timely rains. In *North Arcot*, 12 acres of Sathur reserve, Vellore East Range, were sown with seeds of manure leaf-yielding species and the plants are reported to be thriving. The ryots were also offered waste lands under the cowle system to grow manure leaf yielding species; but the offer was not taken advantage of. In *North Salem*, two plots of ground (one about 150 acres in Giddakarampatti near the Barur project and another about 1,000 acres in Marappanaikampatti near Samalpatti) were selected for the formation of manure leaf farms and a large quantity of seeds were transported there at a cost of Rs. 200. The plots will be sown during the current year. In *South Salem*, no steps were taken in this direction as it is considered desirable to see how the new system of limited manure leaf coupes prescribed in the Salem East and Atur Range working-plans succeeds before taking action in other directions. In *Trichinopoly*, cultural operations were undertaken with unsatisfactory results, owing to want of seasonable rains. Proposals have, however, been made to plant, during the current year, Vedanarayana (*Poinciana elata*) cuttings in the upland tracts and to sow seeds of manure leaf-yielding species in the padugais after ploughing. In *Tanjore*, seeds of different species were sown in 5 acres in each of the reserves of Kollangarai and Nadur at a cost of Rs. 6, but the experiment did not prove successful on account of the failure of the monsoon.

In the *Southern Circle*, no action is called for in any of the districts except *Madura* and *Tinnevelly*. As regards *Madura*, in the two blocks of 20 and 25 acres cultivated last year the plants in the former are thriving and those on the latter have nearly all died down to the surface of the soil. The proposal to cultivate a large area during the year was abandoned for want of sufficient rain and only 70 acres out of 100 acres in Kollipatti village, Madura taluk, was fenced, ploughed and sown broadcast with seeds of *Acacia auriculata* and *Tephrosia purpurea*. This also failed owing to the unfavourable season. In *Tinnevelly*, an attempt was made to grow Avaram (*Acacia auriculata*) and Kolingi (*Tephrosia purpurea*) on 50 acres in Gangaikondan reserve, but it proved a failure owing to want of rain.

58. *Rules under the Forest Act.*—Timber transit rules were sanctioned during the year for *North Arcot* in respect of scheduled areas containing red sanders and sandalwood and those already sanctioned for *Kistna*, *Kurnool East* and *West*, *Cuddapah*, *North* and *South Salem*, *South Canara*, *North* and *South Coimbatore* and *Madura* are reported to have worked satisfactorily and no hardship or complaint against the working was brought to notice. In *Ganjám*, the existing rules are reported to be of very little value for practical purposes of preventing thefts from the Government reserves, because they define only certain principal cart-tracks and not scheduled areas, as in other districts, within which the timber in transit must be covered by a pass. In *Gódávari*, the transit rules were under revision and details in connection therewith are still under discussion. In *Guntúr*, the rules require to be still rigorously enforced. In *Bellary*, the draft timber transit rules are still under correspondence. The establishment of river tannahs and tannahs on the road in accordance with the timber transit rules sanctioned for the *South Malabar* Division has been held in abeyance for the present.

59. *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Gódávari*, *Kurnool East*, *North Arcot*, *North* and *South Salem*, *North* and *South Coimbatore*. In *Gódávari*, the privileges of the villagers of Kannampeta and Siruvaka were suspended for one year for refusing to render assistance in suppressing forest fires. In *Kurnool East*, the hacking and lopping of reserved and classified trees in unreserves for feeding goats continued to prevail. In *North Arcot*, the abuse of the concession by poorer classes by cutting fuel for sale still continues and has not been completely put a stop to. In *North Salem*, there were 15 cases of offences in which fuel was removed from unreserves for sale under cover of mittah permits. In *South Salem*, 233 cases of illicit felling of trees on unreserved lands were detected by Revenue officials, of which 13 were withdrawn, 69 prosecuted and 132 compounded at twice the value of the trees cut. In the remaining 19 cases the value of the trees cut was recovered from the village officers concerned for neglect of duty. In *South Canara*, there was a good deal of correspondence with the District Board Engineer regarding the realization of the seigniorage on road metal, etc., removed by contractors from Government lands which has since been equitably settled. In *North Coimbatore*, the privileges are generally acted on and frequently abused and misunderstood. In *South Coimbatore*, the cases under these rules were hitherto dealt with through the Agency of Range officers; but as such cases relate to areas at a distance from their work in reserves, offences occurring on unreserved lands have been with the sanction of the Collector dealt with during the year by the District Forest-officer through the agency of Tahsildars and Revenue Inspectors. The number of cases of illicit fellings reported during the year was greater owing to a more effective system of supervision and not on account of the actual increase in the offences.

60. *Inventory of valuable stock.*—The stock registers are reported to have been maintained and verified in all districts. In *Nellore*, the registers of Coast and Sríharikóta ranges were not properly maintained and the subject is under correspondence. Form No. 64 shows the value of the stock in the several districts.

61. *Rain-gauges.*—Readings were properly recorded in all the districts in which rain-gauges are set up except in *Ganjám*, *Guntúr*, *South Arcot* and *South Canara*. In *Ganjám*, one gauge was destroyed by wild elephants before the record was complete and in another case a Ranger failed to record readings for months at a time and his explanation has been called for. In *Guntúr* and *South Arcot*, the recording of accurate readings is doubted. In the latter district it is attributed to the ignorance of the subordinates in charge. This branch of work in *South Canara* continues to be unsatisfactory. Additional rain-gauge stations were opened in *Vizagapatam*, *Gódávari*, *Kurnool East*, *Kurnool West*, *Anantapur* and *North Salem*.

62. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, *Gódávari*, *Bellary*, *Cuddapah*, *North Arcot*, *North Salem*, *South Salem*, *Trichinopoly* and *Tanjore*, the wants of the people were partly met by the issue of permits from stations located at convenient centres and partly from local sale depots. In *Gódávari*, 5 fuel depots were opened at different centres in the Delta taluks. In *Kistna*, 6 sale depots were opened for supply of agricultural and domestic implements. In *Guntúr*, forest

depots were started at convenient centres to meet the demand for firewood and timber required for agricultural implements and building materials. In *Kurnool East*, large quantities of agricultural implements, building materials and cart-building articles were manufactured and stocked in several depots. In *Kurnool West*, agricultural and domestic implements were manufactured departmentally and distributed to the different centres for sale to the public in the Nallamalai tracts. In the Yerramalais, the 3 depots were also stocked with timber from the Nallamalais. In *Bellary*, 15 sale depots and 25 forest coupes were opened, where firewood, charcoal, timber and agricultural implements were sold. Arrangements were also made to sell by public auction monthly, timber and firewood brought from the leased forest depots in central localities. In the *Central Circle*, besides the existing depots, new depots were established in several places in *North Salem* for the sale of firewood and small timber to the public. In *Cuddapah* also some more fuel depots were opened. In *South Salem*, 14 fuel depots and several village depots were at work. In *North Arcot*, fuel from coupes working departmentally was supplied to ryots at the seigniorge rates *plus* cost of felling. Coupe contractors were required to supply fuel, small timber and bamboos to ryots for domestic or agricultural purposes at seigniorage rates *plus* cost of extraction, while new depots were opened in *Vellore, Gudiyáttam, Pakala* and *Tirupati*. In *Chingleput*, three new fuel depots were opened and in Nellore, four. In *South Arcot*, the people obtained permits for green manure leaves from the lessees of minor forest produce in reserves and the coupe contractors were required to supply fuel, timber and agricultural implements to the public at fixed rates. A portion of the Baindur reserve in *South Canara* was as usual thrown open for the collection of dry firewood, manure leaves and grass in head-loads free of charge for the benefit of the adjoining inhabitants. In *North* and *South Malabar*, no steps were necessary in this direction, as the local demand was met from unreserved Government lands and private lands and forests. In *South Coimbatore*, the branchwood and tops of timber obtained in selection fellings in two ranges were converted into spokes, felloes, axle boxes, etc., and the outside slabs and rejections from the saw mill accumulated from previous years and in the current year were converted into door and window frames. All these have been stocked in depots for retail sale to the public. The sanctioned working plans in *Madura* provided for the requirements of the public and coupes were also opened in the neighbourhood of villages. To meet the demand of the Madura town a depot was opened and firewood sold to the public at a reasonable rate. The demand in Kodaikánal settlement was met by working portions of two plantations on contract, and that in Periyakulam town by the experimental coupes in the reserved forests in the vicinity. In *Tinnevelly*, ryots were allowed to remove head loads of fuel from the coupes under working on payment of three pies per headload. Permits for agricultural implements were issued for trees from poramboke lands on application. The seigniorage rate only is charged and the quantity granted is regulated by the area cultivated by each applicant.

63. *Cultivation in reserved forests.*—In *South Salem*, owing to the depression in the coffee industry, two planters of the Shevaroys have applied for remission of the annual rent on such portion of their leased areas which was cultivated with special products. These portions were surveyed and remission of rent for three years from 1906–1907 has been granted. A rent of Rs. 115–3–2 was due from two coffee planters at the end of the year. Cultivation in two reserves of *Trichinopoly*, allowed for five years on lease, expired in November last, and as the result of working proved unsatisfactory, it is not proposed in future to grant any more leases of this nature. Of the twenty estates leased for coffee cultivation on the Anamalais, *South Coimbatore*, twelve were under cultivation with coffee, cardamoms and cinchona. One was ordered to be resumed during the year, but the resumption has since been cancelled. The remaining seven estates were not opened for cultivation.

64. *Suits.*—In *Gódávari*, the second appeals referred to in the last year's report to have been preferred by the claimants in the Coringa Extension suit were still pending disposal in the High Court. The civil suit brought by G. Lakshmya in the Court of the Head Assistant Collector was dismissed as time-barred. But the appeal preferred by him before the Government Agent, *Gódávari*, was still pending. The suit in the Cocanada Sub-Court was pending, owing to the commission taken out for the examination of the Conservator of Forests, Central Circle, not

having been returned duly executed. This has since been executed however. In *Guntúr*, a suit by a coupe contractor against Government for damages is pending in the District Court. Of the two cases referred to in the last year's report in *Nellore*, the appeal preferred to the High Court by the Raja of Venkatagiri against the Government in the Veligonda boundary dispute was disposed of in favour of the Raja and the suit for the recovery of certain lands included in the South Mopur reserve was decided in favour of Government. A suit filed during the year by a contractor for the recovery of Rs. 3,372 on account of the value of certain wood alleged to be found deficient in the quantity supplied to him, etc., was pending in the District Court, Nellore. In *North Salem*, there are two appeals pending—one before the District Court against the Forest Settlement-officer's decision in the Hudaidurgam block, and another on behalf of Government in the High Court in connection with the same block. In *Trichinopoly*, the second appeal in the case of Mogavanur block referred to in the previous years' reports, ended adversely to Government. The forest appeal referred to in the last year's report in *South Canara* as pending disposal in the District Court, was withdrawn by the appellant, thus ending in favour of the department. The appeal preferred to the High Court in connection with the ownership of Thanikuzhi Hill, *South Malabar*, was still pending disposal. Of the two suits pending in *Tinnevelly* at the beginning of the year, one relating to Kuttalam water falls was disposed of and the other regarding Kattalamalai was pending.

65. *Elephants.*—The elephants in *Vizagapatam, Gódávari, and Kurnool West*, which are used for inspection purposes only, are reported to be in good condition. In *Ganjám*, one elephant was purchased at a cost of Rs. 1,000. Seven elephants from Mudumalai, *North Malabar*, were transferred to *South Malabar* owing to an outbreak of anthrax at the former station. Elephant catching operations were carried out in *North* and *South Malabar* and *South Coimbatore* and the number captured were 17, 4 and 1 respectively. One was born in captivity in *North Malabar* and one was presented to the department by the Mysore Government after the kheddah operations undertaken in connection with the visit of their Royal Highnesses the Prince and Princess of Wales. Thus the total number of elephants in charge of the department increased to 95. Of these 4 died, 2 escaped from captivity, two were shot on account of old age, and one was sold, leaving 86 elephants with the department at the close of the year. It was decided during the year to keep young captures and train them for service in the department instead of selling them as hitherto. Training nurseries are accordingly being established in the West Coast. The designation of the Inspector of Government Elephants was changed into Special Veterinary Inspector, his post being at the same time made permanent, in view of the necessity for the department to have a trained Veterinary officer to look after the large number of elephants and bullocks it has charge of.

66. *The saw mill at Mount Stuart.*—The mill worked from the commencement of the forest year till the 19th December 1905, when the supply of water failed. Work recommenced however from the 29th of May and the mill worked for 24 days in May and June. In the course of the season the crank of the board cutter broke, when work was delayed for a month until a new one was procured. Three hundred and seventy eight logs of 15,305 cubic feet were put through the mill during the season and an outturn in boards and scantlings of 9,754 cubic feet was obtained amounting to 63·7 per cent. of the volume in the log. The quantity put through the mill was less by 2,002 cubic feet and the outturn by 164·5 cubic feet than in the previous year, which was due to the delay referred to above: but the percentage of marketable timber obtained rose from 57·4 to 63·7. The working expenses of the whole season amounted to Rs. 4,383–12–5. The average cost of the outturn per cubic foot of sawn timber was therefore As. 7-2.

67. *The wire ropeway at Mount Stuart.*—The wire ropeway worked for 63 days and sent down 570 loads of 11,823 cubic feet. of timber and 978 bamboos against 357 of 6,247 cubic feet of timber and 2,000 bamboos in the previous year. In November 1905, one of the highest supports broke and work was delayed in consequence. It was, however, eventually found possible to adjust the rope so that loads could be sent down without use of this support. The gain as compared with road transport was reported to be Rs. 543-13-4. Deducting from this, depreciation and interest at 6 per cent. on capital outlay, viz., Rs. 223–10–11, the net profit works out to Rs. 320–2–5.

Mica and mica mining.

68. *Applications.*—During the year 120 applications were received as against 61 in the previous year. In addition to these 49 applications were pending at the commencement of the year. Forty-three of the applications received during the year were for mining in Government lands, 5 for the extension of the mining leases already in force, 59 for prospecting licenses, 11 for mining in patta land and 2 for exploring licenses. One hundred and twenty-five of the 169 applications were disposed of during the year, leaving a balance of 44 applications of which 15 are for mining leases, 5 for the extension of sanctioned plots, 16 for prospecting licenses, 6 for patta land mining and 2 for exploring licenses.

Mines in Government lands (*State mines*).—There were 31 sanctioned mines in existence at the commencement of the year. Thirty-four new mines were sanctioned as against two in the previous year, and the leases of five were either cancelled or relinquished so that there are 60 mines at the end of the year. Prospecting licenses are in force for 29 plots as against only 8 in the previous year and 1 exploring license was also issued during the year. The work in most of the new mines has just begun. Mining operations in the mines were carried on satisfactorily throughout the year. In the case of lessees who were unsystematic in their work, notices were issued for the strict enforcement of the conditions of the lease and their mines were inspected month after month either by the Mica Inspector or one of his assistants to see that the mines were worked properly and regularly.

Patta land mines (shared mines).—There were only four mines at the commencement of the year, 10 more patta land agreements were granted this year. The work in all these mines is satisfactory.

Illicit mining.—There were three cases of illicit mining reported during the year. One was in respect of a patta land in Gudur. In this case a penal charge of Rs. 112–8–0 was collected from the person concerned.

In another case an applicant for a plot in the Gudur reserve conducted operations while his application was pending disposal. The illicit mining was, however, discovered by the Forest Range officer before the operations had been proceeded with to any great extent. It was reported that no mica was removed from the plot. In the third case an applicant for a plot in the Atmakúr taluk conducted mining operations and this was brought to notice by a rival applicant for the same plot. The grant of the lease was, however, sanctioned to him, but steps have been taken to collect penal assessment for unauthorized occupation under Act III of 1905.

Outturn and royalty.—There has been a marked increase in the quantity of mica consigned during the year which is more than double the quantity consigned in the previous year. There was a large demand for "flimsy" mica during the year under report. An industry has sprung up in Germany for the manufacture of sheets of what might be called artificial mica from the splittings of flimsy mica and a cement, and the sheets so manufactured are said to be as good for electrical purposes as sheets of genuine mica. Hence the large increase. The quantity of flimsy mica consigned during the year was 326,563–13 lb. against 55,621–5 lb. during the previous year, *i.e.*, about six times that of the previous year.

Financial results.—The revenue realized during the year under report was Rs. 46,696–5–1 against Rs. 38,631–5–7 during the previous year. With the exception of the exceptional year 1901–1902 when revenue from mica amounted to Rs. 57,995–12–10, the revenue in the year under report is the highest on record. The percentage of expenditure to receipts is 8·12 against 7·07 in the previous year. The increase in the expenditure is due to the large amounts of refunds sanctioned in the year—the amount under this head being Rs. 1,150–3–8 against Rs. 417–2–8 only during the previous year—and also to the entertainment of an assistant mica clerk—the expenditure under "pay of mica clerks" being Rs. 871–3–7 during the year under report against Rs. 473–13–8 only in the previous year. The estimated value of the mica consigned during the year was Rs. 38,60,407–3–7 against Rs. 6,88,505–14–10 in the previous year, but the amount of royalty (Rs. 41,645–8–8) collected during the year is not proportionately as large as that (Rs. 34,390–3–2) collected during the previous year. This is due to the fact that a large quantity of mica was of the class

" half royalty mica " being films prepared from the old waste heaps left at the mines of M.R.Ry. Anchur Subba Nayudu and Messrs. Haji Muhammad Badshah Sahib & Co. Much of the contents of these old heaps had been extracted in the years when an acreage and not a seigniorage charge was imposed. As it was impossible to determine how much had been extracted in these years, it was resolved to charge only half royalty on all mica films prepared from these waste heaps. Steps were taken to prevent any new waste being deposited on these old heaps.

Labour.—Three thousand one hundred and sixty-eight men, 2,742 women and 2,084 children were emploped at the several mines in the district receiving wages ranging from As. 3 to As. 8 for men, As. 2 to As. 2–6 for women and 9 pies to As. 2 for children per day. For working at night and for pumping water an extra wage of As. 2 per day was paid. The total number of coolies employed during the year was 7,994 against 4,483 in the previous year. The increase in the number of coolies is due to the corresponding increase in the number of mines both under mining and prospecting concessions. The labourers generally work from 7–30 A.M. to noon 12 and 1–30 P.M. to 5 P.M. At night work is being done between 7 and 10 P.M. Women, children and old men are mostly employed in cutting " rounds " and for preparing films. Wages were paid regularly in most cases and in some cases payments were made in advance when such a step was necessary to ensure the regular attendance of the labourers. In some of the most important mines steam engines and water pumps were used to reduce the manual labour. The health of the labourers continued to be good.

Accidents.—Altogether four accidents were reported during the year against seven in the previous year. Of the four accidents, two were due to carelessness in handling explosives and two to the fall of overhanging earth and mica schists. In the last two cases the injuries received were fatal and both persons died. In the other two cases the injuries were slight and the coolies recovered.

Ventilation and lighting.—In the marginally noted mines the work was carried on in tunnels. The tunnels in most cases are sufficiently ventilated and where light is not sufficient candles are used.

Name of mine.		Lessee.
1. Tallabada	...	M.R.Ry. A. Subba Nayudu.
2. Palamani	...	Do.
3. " D " Mine	...	Do.
4. Palimila	...	Messrs. Haji Muhammad Badshah Saheb & Co.
5. Khudadad	...	Do.
6. Sankara	...	M.R.Ry. R. V. Kuppuswami Aiyar.
7. Lakshminarayana.		M.R.Ry. Lakshmi Narsa Reddi.

Inspection by Superior Officers.—Some of the most important mines were inspected by the District Medical and Sanitary officer during the year, but no special sanitary defects were noticed. The Inspector of Mines, Calcutta, inspected the more important mines and the defects pointed out by him are being remedied by the lessees. In cases where the lessees failed to execute the necessary instructions promptly and remedy the defects pointed out, the Divisional Magistrate took action under section 144 of the Criminal Procedure Code and lessees were prosecuted and fined for neglect to comply with the terms of the orders. The District Forest Officer and the Divisional Officer, Gudur, have also inspected some of the mines.

Prospects of Industry.—The demand for mica is increasing not only in Britain, but on the continent and in America: one-fourth of the world's supply is produced in the Nellore district. The working of the mines is almost entirely in the hands of native miners who work on lines which are susceptible of considerable improvement. M.R.Ry. Ansur Subba Nayudu Garu has now employed a European Mining Engineer with South African experience. If others would follow his example the working of these mines would be more economical and the output increased. There are fair prospects of the development of the mica industry in future years. The best mines are to be found in a belt extending from a little south of Gudur to the neighbourhood of Sangam: but fair mica has been found also in the Kávali taluk and the Collector has, during his tours, seen traces in the Kanigiri and Udayagiri taluks.

Plumbago.—The plumbago mines in the Rékapalle hill reserve, *Gódávari*, were worked on a small scale and the revenue realized was Rs. 96.

Manganese.—In *Bellary*, a prospecting license to prospect for manganese in $43\frac{3}{4}$ acres in Thonasigiri reserve has been issued to Mr. Charles Jambon of Calcutta. The Diwan of Sandúr has also issued to the same party a license to prospect for manganese over 800 acres in the Ramandrug block and to Messrs. Srinivasa Rao Naidu and Huddleston to explore and search the surface of the leased forests for minerals of every description and for mineral oil.

69. *Forest Museum.*—The Gass Forest Museum at Coimbatore has developed considerably during the year. It now contains over 1,100 specimens. A fine collection of moths and butterflies was lent to the museum by Mr. Hearsey, Extra Assistant Conservator of Forests, and numerous specimens were presented both by forest officers and by private individuals. The museum is used for imparting information to the students at the Forest Training School and has been visited by over 1,000 people during the year. The new museum building was only just finished at the close of the year. The Curator has justified his entertainment by the care taken of the various exhibits and by assisting in the preparation of herbarium specimens.

APPENDICES.

Appendix A.—District areas and Forest reserves.

District.	(a) Total area excluding feudatory and tributary states.	(b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	(b) Occupied area.	Particulars of remaining area (columns 3—4). (b) Unoccupied, cultivable, unculti-vable and forest areas.	(a) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests and reserved lands. Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).	Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,356,224	1,609,617	419,864	706,213	483,540	1,189,753	344,684	38,400	383,084	23·79	32·19
Vizagapatam	11,022,828	849,340	183,971	665,369	..	665,369	190,700	30,009	220,709	25·98	34·67
Gódávari	3,585,602	1,885,117	568,683	1,316,434	..	1,316,434	555,494	47,955	603,449	32·01	45·08
Kistna	3,784,842	1,624,843	992,903	631,940	..	631,940	179,419	23	179,442	11·04	28·39
Guntúr	3,670,373	2,884,152	1,775,397	1,099,561	9,194	1,108,755	521,209	..	521,209	18·07	47·00
Kurnool	4,849,767	4,208,089	1,415,234	2,792,855	..	2,792,855	1,626,915	56,311	1,683,226	39·99	60·26
Bellary	3,656,230	2,981,101	1,867,741	1,113,360	..	1,113,360	399,430	40,000	439,430	14·73	39·46
Anantapur	3,556,083	3,022,935	1,460,815	1,562,120	..	1,562,120	326,470	12,465	338,935	11·21	21·69
Total	39,481,949	19,065,194	8,684,608	9,887,852	492,734	10,380,586	4,144,321	225,163	4,369,484	22·91	42·09
Central Circle.											
Cuddapah	5,582,739	4,861,970	1,372,666	3,489,304	..	3,489,304	1,437,248	68,404	1,505,652	30·96	43·15
Nellore	5,097,300	2,314,652	899,062	1,415,590	..	1,415,590	472,791	..	472,791	20·42	33·39
Chingleput	1,971,041	1,305,493	661,765	643,728	..	643,728	136,813	..	136,813	10·47	21·25
North Arcot	4,721,849	2,499,818	883,800	1,616,018	..	1,616,018	825,349	836	826,185	33·04	51·12
South Arcot	3,339,520	2,989,775	1,677,488	1,312,287	..	1,312,287	424,650	..	424,650	14·20	32·35
Salem	4,818,982	3,575,703	1,458,431	2,117,272	..	2,117,272	1,014,421	44,905	1,059,326	29·62	50·03
Trichinopoly	2,324,804	1,713,245	1,110,043	603,202	..	603,202	200,297	1,140	201,437	11·75	33·39
Tanjore	2,375,381	1,583,707	1,145,625	438,082	..	438,082	12,461	..	12,461	0·78	2·84
Total	30,231,616	20,844,363	9,208,880	11,635,483	..	11,635,483	4,524,030	115,285	4,639,315	22·2	39·87
Southern Circle.											
South Canara	2,573,389	2,573,389	761,816	1,809,519	2,054	1,811,573	462,287	215,518	677,805	26·33	37·41
Malabar	3,708,692	3,687,241	1,328,052	2,359,189	..	2,359,189	288,210	44,542	332,752	9·02	14·10
Nilgiris, The	612,557	612,892	193,760	419,132	..	419,132	264,749	54,869	319,618	52·14	76·25
Coimbatore	5,030,790	4,588,337	2,511,031	2,077,306	..	2,077,306	1,314,690	174,476	1,489,166	32·45	71·67
Madura	5,568,896	2,079,200	1,122,175	957,025	..	957,025	426,503	..	426,503	20·51	44·56
Tinnevelly	3,448,922	2,279,287	1,487,032	792,255	..	792,255	279,525	281	279,806	12·27	35·31
Total	20,943,246	15,820,346	7,403,866	8,414,426	2,054	8,416,480	3,035,964	489,686	3,525,650	22·28	41·88
Grand Total	90,656,811	55,729,903	25,297,354	29,937,761	494,788	30,432,549	11,704,315	830,134	12,534,449	22·49	41·18

(a) Area by professional survey.

(b) Area according to village papers.

APPENDIX B.—Reserved forests in square miles.

Districts.	Up to 1904–1905.	During 1904–1905.	During 1905–1906.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	538	..	(a)	538
Vizagapatam	298	..	..	298
Gódávari	867	(a)	1	868
Kistna	267	13	(a)	280
Guntúr	808	6	(a)	814
Kurnool, East	1,152	3	1 + 323 (b)	1,479
Kurnool, West	1,311	69	7 − 323 (b)	1,064
Bellary	573	28	23	624
Anantapur	510	..	(a)	510
Total ..	6,324	119	32	6,475
Central Circle.				
Cuddapah	2,213	28	5	2,246
Nellore	732	2	4 (b) + 1	739
Chingleput	214	..	..	214
North Arcot	1,290	..	..	1,290
South Arcot	663	..	..	663
North Salem	832	..	25	857
South Salem	728	..	..	728
Trichinopoly	301	9	3	313
Tanjore	20	..	..	20
Total ..	6,993	39	38	7,070
Southern Circle.				
South Canara	662	12	48	722
North Malabar	231	4	21	256
South Malabar	218	..	− 24 (d)	194
The Nilgiris	408	4	2	414
North Coimbatore	1,378	..	− 8 (b) − 2 (c)	1,368
South Coimbatore	662	..	+ 24 (d)	686
Madura	610	9 − 3 (c)	48 (a) + 2	666
Tinnevelly	437	..	..	437
Total ..	4,606	26	111	4,743
Grand Total ..	17,923	184	181	18,288

(a) Below one square mile.
(b) Revision of area.
(c) Disafforested.
(d) Transferred to South Coimbatore division.

APPENDIX C.—Particulars of balance of Lands under Settlement.

District.	Forest settlement.					
	Total number and area of blocks under settlement up to the end of 1905–1906.		Total number and area of blocks constituted finally as reserved forests up to the end of 1905–1906.		Balance at the end of 1905–1906.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	54	598	53	538	1	60
Vizagapatam	52	298	52	298	..	..
Gódávari	73	943	72	868	1	75
Kistna	74	280	74	280	..	..
Guntúr	179	814	179	814	..	..
Kurnool, East	38	1,479	38	1,479	..	..
Kurnool, West	64	1,169 (b) — 17	60	1,064	4	88
Bellary	153	624	153	624	..	..
Anantapur	100	530 (a) — 1	83	510	17	19
Total ..	787	6,717	764	6,475	23	242
Central Circle.						
Cuddapah	212	2,358 (b) — 5	210	2,246	2	107
Nellore	227	738 (c) + 1	227	739	..	..
Chingleput	197	214	197	214	..	..
North Arcot	196	1,291	192	1,290	4	1
South Arcot	157	663	157	663	..	..
North Salem	76	924 (a) + 1 (b) — 2	72	857	4	66
South Salem	103	733 (a) — 1	102	728	1	4
Trichinopoly	120	315	119	313	1	2
Tanjore	15	20	15	20	..	..
Total ..	1,303	7,250	1,291	7,070	12	180
Southern Circle.						
South Canara	158 (d) — 2	898 (d) — 3	120	722	36	173
North Malabar	26	260	23	256	3	4
South Malabar	14 (e) — 4	265 (e) — 24	8	194	2	47
The Nilgiris	428	414	428	414	..	..
North Coimbatore	51	1,652 (a) — 9 (f) — 2	47	1,368	4	273
South Coimbatore	21 (e) + 4	662 (e) + 24	25	686	..	..
Madura	150	668 (a) + 2 (b) — 4	150	666	..	..
Tinnevelly	69 (a) — 1	438 (a) — 1	67	437	1	(g)
Total ..	914	5,240	868	4,743	46	497
Grand Total, Presidency ..	3,004	19,207	2,923	18,288	81	919

(a) Rectification. (b) Excluded at settlement. (c) Rounding off fractions in previous year's figures.
(d) Abandoned. (e) Transferred from South Malabar to South Coimbatore in October 1905.
(f) Disafforested. (g) Below one square mile.

Appendix C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1905–1906, but reservation effected only after 30th June 1906.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	1	60	..	..	1	60	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	1	75	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, West ..	1	5	2	10	1	73	4	88	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur ..	6	5	..	..	..	..	6	5	..	..	11	14
Total ..	7	10	3	70	1	73	11	153	1	75	11	14
Central Circle.												
Cuddapah	..	..	..	..	2	107	2	107	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	1	(a)	(b) 1	(a)	..	..	2	(a)	..	..	2	1
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	2	5	1	15	..	..	3	20	1	46	..	..
South Salem ..	..	..	1	4	..	..	1	4	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	1	2	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	5	3	19	2	107	8	131	2	48	2	1
Southern Circle.												
South Canara ..	2	4	7 (b) 1	47 3	6	46	16	100	6	55	14	18
North Malabar ..	2	4	..	..	..	..	2	4	..	..	1	(a)
South Malabar ..	..	..	(b) 1	2	..	..	1	2	..	..	1	45
The Nilgiris .	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore.	..	..	(b) 1	11	1	16	2	27	2	246	..	..
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	1	(a)
Total ..	4	8	10	63	7	62	21	133	8	301	17	63
Grand Total, Presidency ..	14	23	16	152	10	242	40	417	11	424	30	78

(a) Below one square mile. (b) Notified under section 16 after the close of the year.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4																									
	1891-92.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.		1900-1901.		1901-1902.		1902-1903.		1903-1904.		1904-1905.		1905-1906.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	60	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, West ..	..	..	..	..	..	..	..	..	1	73	..	..	..	..	..	..	..	..	..	..	3	15	..	..	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	10	12	9
Total ..	..	..	..	..	..	..	..	..	1	73	..	..	..	..	..	..	1	75	..	..	4	75	5	10	12	9
Central Circle.																										
Cuddapah ..	..	..	2	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)	..	..	1	(*a*)	2	1
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	2	61	..	..	..	..	..	..	..	..	1	1
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	..	..	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	2	107	..	..	..	..	..	..	1	2	1	4	2	61	1	4	1	(*a*)	..	..	1	(*a*)	3	2
Southern Circle.																										
South Canara ..	..	..	1	3	1	4	2	8	..	..	1	15	..	..	..	..	1	12	..	..	4	9	12	104	14	18
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	3
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	45	1	2	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	1	246	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	..	..	..	..	1	11	(*a*)	..
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)	..	..	..	..	..	..	..	..
Total ..	1	246	1	3	1	4	2	8	..	..	1	15	..	..	..	..	3	28	..	..	5	54	15	118	17	21
Grand Total ..	1	246	3	110	1	4	2	8	1	73	2	17	1	4	2	61	5	107	1	(*a*)	9	129	21	128	32	32

(*a*) Below one square mile.

APPENDIX D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Notified under section 16 during 1905–1906, but with effect only after 30th June 1906.	With Board or Government awaiting publication of notification under section 16.	Returned by the Board to Collectors for revision.	Pending check and revision by Collectors and not submitted to the Board.	Awaiting disposal of appeals.	Awaiting inspection and Settlement of claims by the Forest officers.	Awaiting renotification under section 4.	Total.
1	2	3	4	5	6	7	8	9
Northern Circle.								
Ganjám	..	1	..	..	..	..	..	1
Vizagapatam	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	1	..	..	1
Kistna	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..
Kurnool, East	..	..	..	..	..	..	..	..
Kurnool, West	1	2	1	..	..	..	..	4
Bellary	..	..	..	..	..	..	..	..
Anantapur	6	..	..	..	..	11	..	17
Central Circle.								
Cuddapah	..	..	2	..	..	..	..	2
Nellore	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..
North Arcot	1	1	..	..	..	2	..	4
South Arcot	..	..	..	..	..	..	..	..
North Salem	2	1	..	..	1	..	..	4
South Salem	..	1	..	..	..	..	..	1
Trichinopoly	..	..	..	1	..	..	..	1
Tanjore	..	..	..	..	..	..	..	..
Southern Circle.								
South Canara	2	8	6	6	..	14	..	36
North Malabar	2	..	..	..	..	1	..	3
South Malabar	..	1	..	1	..	..	..	2
The Nilgiris	..	..	..	..	..	..	..	..
North Coimbatore.	..	1	1	2	..	..	..	4
South Coimbatore	..	..	..		..	..	..	..
Madura	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	1	1
Total ..	14	16	10	10	2	28	1	81

APPENDIX E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1904–1905.	Added during 1904–1905.	Added during 1905–1906.	Total.	Transferred to settlement. Up to 1904–1905.	During 1904–1905.	During 1905–1906.	Total.	Balance "reserved lands" not under settlement.
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	598	..	..	598	598	..	..	598	..
Vizagapatam ..	345	..	..	345	298	..	..	298	47
Gódávari	943	..	..	943	943	..	..	943	..
Kistna	280	..	..	280	280	..	..	280	..
Guntúr	814	..	..	814	814	..	..	814	..
Kurnool, East ..	1,479	..	..	1,479	1,479	..	..	1,479	..
Kurnool, West ..	1,169	..	(b) — 17	1,152	1,169	..	(b) — 17	1,152	..
Bellary	688	(b) — 1	..	687	624	..	..	624	63
Anantapur	510	11	9 (a) — 1	529	510	11	9 (a) — 1	529	..
Total ..	6,826	10	— 9	6,827	6,715	11	— 9	6,717	110
Central Circle.									
Cuddapah	2,360	(b) — 2	(b) — 5	2,353	2,360	(b) — 2	(b) — 5	2,353	..
Nellore	738	..	(g) + 1	739	738	..	(g) + 1	739	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,290	..	1	1,291	1,290	..	1	1,291	(c)
South Arcot ..	663	..	..	663	663	..	..	663	..
North Salem ..	923	..	1 (a) + 1 (b) — 2	923	923	..	1 (a) + 1 (b) — 2	923	..
South Salem ..	733	..	(a) — 1	732	733	..	(a) — 1	732	..
Trichinopoly ..	315	1 (b) — 1	..	315	315	1 (a) — 1	..	315	..
Tanjore	20	..	..	20	20	..	..	20	..
Total ..	7,256	— 2	— 4	7,250	7,256	— 2	— 4	7,250	..
Southern Circle.									
South Canara ..	1,069	(b) — 2	(d) — 5 (h) — 3	1,059	776	104	18 (h) — 3	895	164
North Malabar ..	256	1	3	260	256	1	3	260	..
South Malabar ..	284	..	(e) — 24	260	263	2	(e) — 24	241	19
The Nilgiris ..	499	..	..	499	414	..	..	414	85
North Coimbatore.	1,648	12	(a) — 17 (f) — 2	1,641	1,640	12	(a) — 9 (f) — 2	1,641	..
South Coimbatore	662	..	(e) + 24	686	662	..	(e) + 24	686	..
Madura	619	52 (d) — 3	(a) + 2 (b) — 4	666	619	52 (d) — 3	(a) + 2 (b) — 4	666	..
Tinnevelly ..	438	..	(a) — 1	437	438	..	(a) — 1	437	..
Total ..	5,475	60	— 27	5,508	5,068	168	4	5,240	268
Grand Total ..	19,557	68	— 40	19,585	19,039	177	— 9	19,207	378

(a) Rectification. (b) Excluded at settlement. (c) Below one square mile.
(d) Unreserved. (e) Transferred from South Malabar to South Coimbatore. (f) Disafforested.
(g) Rounding off fractions in previous year's figures. (h) Initial notification cancelled.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—The district and range reference maps have been maintained. Maps for all fire-protected areas are kept. Nine coupe maps, one taluk map, one reserve map, six copies of working-plans maps and one (Dasapalli) boundary map have been prepared in the year.

Vizagapatam.—A district reference map on the scale of 4 miles to an inch showing all reserves, roads, forest bungalows and stations and other items affecting the administration of the department, three range forest reference maps, and sketch-maps for reserves have been maintained.

Gódávari.—The district map (1″ = 4 miles) showing all reserves, etc., has been maintained as also range forest maps (1″=1 mile). Separate maps for each reserve are also kept.

Kistna.—The district and range maps have been maintained as usual. Maps for 27 square miles of reserved forests were prepared during the year.

Guntúr.—The district range maps have been maintained as usual. Tracing maps for an area of 351 square miles have been prepared and sent to the Deputy Director of Survey and printed maps are awaited.

Kurnool, East.—The maps referred to in the previous years' reports have been maintained.

Kurnool, West.— Do. do. do.

Bellary.—The district, range, and reserve maps were maintained as usual.

Anantapur.—Final maps for 511 square miles of reserved forests have been maintained.

Central Circle.

Cuddapah.—The district and taluk maps were maintained and posted up as usual. Maps for special fire-protected blocks from 4″ survey map to reduced scale 3 miles = 4″ were prepared during the year.

Nellore.—Copies of sketches of final maps for the Kanigiri, Kávali, Udayagiri, Rapur, Coast and Sríharikóta ranges were prepared and supplied to Range offices during the year.

Chingleput.—The coupe divisions with their area of six blocks of Chingleput range were marked on the litho plans for the information of the District Forest-officer during the year. Coupe lines were altered for ten blocks of Chingleput range during the year. Working plan sketches for 17 working circles of Tiruvallúr range and 20 of Chingleput range were prepared during the year. Copies for the litho plans of six blocks received from the Survey office were supplied to the Range officers, Conservator, Board and Government.

North Arcot.—Final maps for 6¾ square miles have been prepared during the year.

South Arcot.—In the case of 28 reserves tracing cloth maps were compared and in the case of 12 reserves tracing cloth maps were prepared. The boundaries of 109 reserves were delineated in the village maps received from taluks. In the case of 21 reserves blocks were marked on the village maps. In the case of 13 reserves proofs were corrected for publication in the Survey office.

North Salem.—The district forest reference map and range forest reference maps are maintained. There are Survey of India maps (4″ = 1 mile) for 66 reserved forests, Madras Survey maps (8″ = 1 mile) for six reserved forests and departmental survey maps (4″=1 mile) for two reserved forests. Working-plan maps (4″=1 mile) are also maintained.

South Salem.—The district forest reference map and two sets of range forest reference maps, separate maps for each reserve and separate working-plan maps were maintained.

Trichinopoly.—The district reference map is maintained, also the taluk or range maps. Tracing maps of 9 reserved forests in Kulittalai, of 8 in Vyampatti, of 24 in the Musiri, of 19 in the Perambalúr and 22 in Udaiyárpálaiyam ranges aggregating 146 square miles were prepared besides 17 square miles.

Tanjore.—The district as well as the range reference maps are maintained. Separate maps were prepared for each reserve with topographical features and admitted rights indicated therein; working-plan maps on the 8″ scale are maintained for the Vettangudi reserved forests and the North, South and Neidavasal casuarina plantations.

Southern Circle.

South Canara.—The district reference map is posted up to date and maps are maintained for all reserved forests except Bhagimale and Mujimale, which have been surveyed by the Survey of India.

The Nilgiris.—This office reference map has been posted up to the end of June 1906 and the range topo and settlement maps have all been similarly posted. There are no separate maps for reserves except Mudumalai, Benne and Kumbarakolli forests; but there are settlement maps for every village in the district, which are duly maintained with all the reserves shown therein in accordance with notifications under section 16. Working circle plans prepared by Messrs. Gamble and Arbuthnot are maintained for the reserves given below: 1. Aramby, 2. Cairn Hill, 3. Bleak House, 4. River Reserve, 5. Tiger Hill, 6. Bandy Shola, 7. Coonoor Peak, 8. Burliyar, 9. Benne.

North Malabar.—Two copies of Kulvalli Serambi plan, two copies of Begur working-plan map on reduced scale, two copies of Begur reserve map, four copies of Chedleth working-plan map and three copies of each of certain settlement maps were drawn up. Reference maps have been posted.

South Malabar.—Three copies of Beypore tope working-plan, one copy of Karimpoya planting maps, two copies of district reference map, three range maps and two copies of Silent Valley map with adjoining lands have been posted.

North Coimbatore.—The office reference map is maintained. Reserve maps for all the reserves in the Erode range (Erode, Dhárápuram and Karúr taluks) are prepared. Settlement maps have been supplied to all Range officers for the principal reserves to be used together with topographical sheets until the survey is completed. Fire conservancy maps have been prepared for all protected blocks.

South Coimbatore.—(1) District forest reference map has been maintained in duplicate.

(2) Range forest reference maps. The taluk maps (scale 1″ = 1 mile) have been utilized for these and particulars relating to the five ranges have been entered.

(3) There are Survey of India maps of all reserves except Elayamuthur, Dhalli, Sankarayapuram, Vellimalai and Avanashi for all of which there are Madras Survey maps.

(4) There are separate maps for each of the working circles.

Madura.—The district reference map was posted up as also the reserve maps. Survey of India maps exist for all except three reserves.

Tinnevelly.—The district reference map has been posted up to 30th June 1906. The Kolandamamalai and Nilavittam reserve maps (proofs) are being verified.

APPENDIX G.—Statement showing the area of Reserved Forests for which final maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	538	538
Vizagapatam	298	14
Gódávari	868	..
Kistna	280	117
Guntúr	814	463
Kurnool (East)	1,479	1,336
Kurnool (West)	1,064	246
Bellary	624	499
Anantapur	510	510
Cuddapah	2,246	2,246
Nellore	739	449
Chingleput	214	214
North Arcot	1,290	1,276
South Arcot	663	663
North Salem	857	857
South Salem	728	700
Trichinopoly	313	108
Tanjore	20	20
South Canara	722	708
North Malabar	256	256
South Malabar	194	11
The Nilgiris	414	414
North Coimbatore	1,368	639
South Coimbatore	686	686
Madura	666	666
Tinnevelly	437	416
Total	18,288	14,046

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1905–1906.

District.	Area of reserved forests. Area on 1st July 1905. Acres.	Area of reserved forests. Area on 1st July 1905. Equivalent in square miles.	Area of reserved forests. Added during the year. Acres.	Area of reserved forests. Excluded during the year. Acres.	Area of reserved forests. Area on 30th June 1906. Acres.	Area of reserved forests. Area on 30th June 1906. Equivalent in square miles.	Area of reserved lands. Area on 1st July 1905. Acres.	Area of reserved lands. Area on 1st July 1905. Equivalent in square miles.	Area of reserved lands. Added during the year. Acres.	Area of reserved lands. Excluded during the year. Acres.	Area of reserved lands. Area on 30th June 1906. Acres.	Area of reserved lands. Area on 30th June 1906. Equivalent in square miles.	Total area of reserved forests and reserved lands.
Northern Circle.													SQ. MLS.
Ganjám	344,589	538	95	..	344,684	538	38,495	60	..	95	38,400	60	598
Vizagapatam	190,700	298	..	..	190,700	298	30,009	47	..	..	* 30,009	47	345
Gódávari	554,999	867	495	..	555,494	868	48,450	76	..	495	47,955	75	943
Kistna	179,192	280	227	..	179,419	280	260	..	23	260	23	..	280
Guntúr	521,191	814	18	..	521,209	814	18	..	..	18	..	..	814
Kurnool, East	† 945,635	1,478	537	..	946,172	1,479	537	1	..	537	..	..	1,479
Kurnool, West	† 676,553	1,057	4,397	207	680,743	1,064	71,524	112	..	15,213	56,311	88	1,152
Bellary	384,794	601	14,780	144	399,430	624	54,799	86	..	14,799	40,000	63	687
Anantapur	326,089	510	381	..	326,470	510	6,984	11	5,862	381	12,465	19	529
Total ..	4,123,742	6,443	20,930	351	4,144,321	6,475	251,076	393	5,885	31,798	225,163	352	6,827
Central Circle.													
Cuddapah	1,433,982	2,241	3,289	23	1,437,248	2,246	74,759	117	..	6,355	68,404	107	2,353
Nellore	470,110	734	2,681	..	472,791	739	2,806	4	..	2,806	..	..	739
Chingleput	136,812	214	1	..	136,813	214	..	..	..	..	..	..	214
North Arcot	825,349	1,290	..	..	825,349	1,290	345	1	491	..	836	1	1,291
South Arcot	424,650	663	..	..	424,650	663	..	..	..	..	..	.	663
North Salem	532,644	832	15,626	..	548,270	857	58,426	91	943	17,223	42,146	66	923
South Salem	466,151	728	..	..	466,151	728	2,759	4	..	..	2,759	4	732
Trichinopoly	198,199	310	2,098	..	200,297	313	3,245	5	..	2,105	1,140	2	315
Tanjore	12,461	20	..	..	12,461	20	..	..	..	..	..	..	20
Total ..	4,500,358	7,032	23,695	23	4,524,030	7,070	142,340	222	1,434	28,489	115,285	180	7,250
Southern Circle.													
South Canara	‡ 431,643	674	30,655	11	462,287	722	‡ 251,517	393	103	36,102	215,518	337	1,059
North Malabar	150,048	235	13,715	..	163,763	256	14,637	23	1,588	13,715	2,510	4	260
South Malabar	139,839	218	..	15,392	124,447	194	42,032	66	..	..	42,032	66	260
The Nilgiris	263,810	412	941	2	264,749	414	55,810	87	..	941	54,869	85	499
North Coimbatore	882,216	1,378	..	6,575	875,641	1,368	180,480	282	1	6,005	174,476	273	1,641
South Coimbatore	423,657	662	15,392	..	439,049	686	..	..	..	..	..	..	686
Madura	394,021	616	32,482	..	426,503	666	33,394	52	..	33,394	..	..	666
Tinnevelly	279,505	437	20	..	279,525	437	459	1	..	178	281	..	437
Total ..	2,964,739	4,632	93,205	21,980	3,035,964	4,743	578,329	904	1,692	90,335	489,686	765	5,508
Grand Total ..	11,588,839	18,107	137,830	22,354	11,704,315	18,288	971,745	1,519	9,011	150,622	830,134	1,297	19,585

* Excludes 388,531 acres of forest under the disposal of Government in the Palkonda and Golgonda Agency tracts, for the management of which special rules have been framed under section 26 of the Act.
† Correct figure due to the inclusion of the areas of the portions of certain reserves actually lying in the East Division but wrongly shown in the West Division in the previous year's return.
‡ Correct figure.

Form No. 44.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	NORTHERN CIRCLE.							
	Reserved forests.							
Ganjám.	Agustinowgam extension A to D.	..	..	78	..	78	..	No. 26, dated 27th December 1905.
	Ambozora extension	..	..	17	..	17	..	No. 56, dated 29th January 1906.
	Area notified in previous years ..	344,589	538	..	..	344,589	538	
	Total ..	344,589	538	95	..	344,684	538	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	38,400	60	..	..	38,400	60	
	Reserved forests.							
Vizagapatam.	Area notified in previous years..	190,700	298	..	..	190,700	298	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	30,009	47	..	..	* 30,009	47	
	Reserved forests.							
Gódávari.	Lakkavaram extension	..	..	495	..	495	..	No. 281, dated 15th July 1905.
	Area notified in previous years..	554,999	..	..	..	554,999	..	
	Total ..	554,999	867	495	..	555,494	868	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	47,955	75	..	..	47,955	75	
	Reserved forests							
Kistna..	Jaggayapet extension No. 4 ..	..	..	57	..	57	..	No. 278, dated 14th July 1905.
	Jangalapalli extension No. 1 ..	..	..	25	..	25	..	
	Do. ,, 2 ..	..	..	5	..	5	..	No. 463, dated 19th December 1905.
	Do. ,, 3 ..	..	..	24	..	24	..	
	Do. ,, 4 ..	..	..	59	..	59	..	
	Do. ,, 5 ..	..	..	57	..	57	..	
	Area notified in previous years..	179,192	..	..	..	179,192	..	
	Total ..	179,192	280	227	..	179,419	280	
	Reserved lands not transferred to reserved forests during the year.							
	....	..	..	..	..	..	..	
	Area notified in previous years.	33	..	23	† 33	23	..	
	Total ..	33	..	23	33	23	..	
	Reserved forests.							
Guntúr.	Nidamarru block No. I-A. extension No. 1.	..	..	8	..	8	..	No. 128, dated 20th March 1906.
	Nidamarru block No. II. extension No. 1.	..	..	10	..	10	..	
	Area notified in previous years ..	521,191	..	..	..	521,191	..	
	Total ..	521,191	814	18	..	521,209	814	
	Reserved lands not transferred to reserved forests during the year.—Nil.							
	Reserved forests.							
Kurnool, East.	Baddivid extension	..	..	537	..	537	..	No. 139, dated 27th March 1905.
	Area notified in previous years ..	‡ 945,635	..	..	..	945,635	..	
	Total ..	945,635	1,478	537	..	946,172	1,479	
	Reserved lands not transferred to reserved forests during the year.—Nil.							

* Excludes 388,531 acres of forest under the disposal of Government in the Palkonda and Golgonda Agency tracts, for the management of which special rules have been framed under section 26 of the Act.

† Excluded at settlement.

‡ This includes the portion of the Nandikotkur reserve covering an area of 137,528 acres transferred to Markapur reserve in Government Order, No. 149, dated 10th March 1897, and portions of Gazulapalli, Nandyal, and Sirvel reserves measuring 256:60,479 and 8,192 acres respectively included in the Railway circle of the East district wrongly shown in the West district in the previous years' list.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	NORTHERN CIRCLE—*cont.*							
	Reserved forests.							
Kurnool, West.	Voddamannu	..	..	1,283	..	1,283	..	No. 249, dated 21st June 1905.
	Lanjabanda extension	..	..	3,114	..	3,114	..	No. 468, dated 19th December 1905.
	Area notified in previous years..	* 675,553	..	..	† 207	676,346	..	
	Total ..	676,553	1,057	4,397	207	680,743	1,064	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	67,127	105	..	‡ 10,816	56,311	88	
	Reserved forests							
Bellary.	Jummanaobanahalli	..	..	7,878	..	7,878	..	No. 280, dated 15th July 1905.
	Halasagaram	..	..	5,620	..	5,620	..	No. 450, dated 1st December 1905.
	Tonashagiri	..	..	1,282	..	1,282	..	No. 76, dated 16th February 1906.
	Area notified in previous years ..	384,794	..	..	§ 144	384,650	..	No. 341, dated 9th September 1905.
	Total ..	384,794	601	14,780	144	399,430	624	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	40,019	63	..	‡ 19	40,000	63	
	Reserved forests.							
Anantapur.	Yerlamapalli addition	..	..	361	..	361	..	No. 63, dated 1st February 1906.
	Molakatalla addition I	..	..	11	..	11	..	No. 97, dated 2nd March 1906.
	Dokkulakonda addition I ..	..	..	9	..	9	..	No. 978, dated 2nd March 1906.
	Area notified in previous years ..	326,089	..	..	..	326,089	..	
	Total ..	326,089	510	381	..	326,470	510	
	Reserved lands not transferred to reserved forests during the year.							
	Gudipad	..	..	2,522	..	2,522	..	No. 291, dated 20th July 1905.
	Yadiki extensions Nos. I to VI.	..	..	225	..	225	..	No. 350, dated 12th September 1905.
	Ravulidiki additions Nos. I and II.	..	..	6	..	6	..	No. 365, dated 20th September 1905.
	Muchukota addition No. VIII ..	..	..	12	..	12	..	No. 383, dated 2nd October 1905.
	Yerlampalli addition II	..	..	13	..	13	..	No. 413, dated 4th November 1905.
	Hottabetta North addition ..	..	..	8	..	8	..	No. 422, dated 14th November 1905.
	Beluguppa	..	..	2,954	..	2,954	..	No. 432, dated 10th November 1905.
	Guttur reserve addition	..	..	9	..	9	..	No. 22, dated 21st December 1905.
	Katrimalla additions I and II ..	..	..	79	..	79	..	No. 27, dated 26th December 1905.
	Elavalakonda addition	..	..	4	..	4	..	No. 88, dated 23rd February 1906.
	Janneavulapalli additions I & II.	..	..	23	..	23	..	No 112, dated 9th March 1906.
	Neradikonda addition	..	..	7	..	7	..	No. 95, dated 10th April 1906.
	Area notified in previous years.	6,603	..	..	..	6,603	..	
	Total ..	6,603	10	5,862	..	12,465	19	

* *Vide* remarks *supra* against Kurnool East division.
† Excluded from the Pyapali extension reserve by the publication of a revised notification.
‡ Excluded at settlement.
§ Portion of Chiribi reserve disafforested.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	CENTRAL CIRCLE.							
	Reserved forests.							
Cuddapah.	Papepalli, East	..	..	3,285	..	3,285	..	No. 325, dated 23rd August 1905.
	Survey No. 281-4 of Diguvakalvatala.	..	..	4	..	4	..	No. 349, dated 15th September 1905.
	Area notified in previous years ..	1,433,982	..	..	(*a*) 23	1,433,959	..	
	Total ..	1,433,982	2,241	3,289	23	1,437,248	2,246	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	71,470	107	..	(*b*) 3,066	68,404	107	
	Reserved forests.							
Nellore.	Anemadugu Chennayapalem palmyra tope	..	..	2,681	..	2,681	..	No. 144, dated 29th March 1905.
	Area notified in previous years ..	470,110	..	..	..	470,110	..	
	Total ..	470,110	734	2,681	..	472,791	739	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	125	..	..	(*c*) 125	..	..	
	Reserved forests.							
Chingleput.	Area notified in previous years ..	136,812	214	(*d*) 1	..	136,813	214	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Arcot.	Area notified in previous years ..	825,349	1,290	..	..	825,349	1,290	
	Reserved lands not transferred to reserved forests during the year.							
	Bommasamudram C	..	..	465	..	465	..	No. 351, dated 15th September 1905.
	Extension to Mamandur extension	..	..	26	..	26	..	No. 30, dated 21st December 1905.
	Area notified in previous years ..	345	..	..	..	345	..	
	Total ..	345	..	491	..	836	1	
	Reserved forests.							
South Arcot.	Area notified in previous years ..	424,650	663	..	..	424,650	663	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Salem.	Urigam	..	..	7,984	..	7,984	..	No. 324, dated 19th August 1905.
	Kempakarai and Tholuvabettu ..	..	..	(*e*) 7,642	..	7,642	..	No. 113, dated 10th March 1906.
	Area notified in previous years ..	532,644	..	..	..	532,644	..	
	Total ..	532,644	832	15,626	..	548,270	857	

(*a*) Excluded by a revision of the boundary line.
(*b*) Excluded at settlement.
(*c*) Excluded during the settlement of the Anemadugu Chennayapalam palmyra tope.
(*d*) Rectification.
(*e*) Includes 519 acres added during the year on a more correct computation of the area of the blocks.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	CENTRAL CIRCLE—*cont.*							
	Reserved lands not transferred to reserved forests during the year.							
North Salem—*cont.*	Nyamasantheram agraharam ..	..	..	424	..	424	..	No. 319, dated 8th August 1905.
	Area notified in previous years..	43,319	..		* 1,597	41,722	66	
	Total ..	43,319	68	424	1,597	42,146	66	
	Reserved forests.							
South Salem.	Area notified in previous years..	466,151	728	..	..	466,151	728	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	2,759	4	..	..	2,759	4	
	Reserved forests.							
Trichinopoly.	Sengattupatti extension	..	..	1,616	..	1,616	..	No. 272, dated 4th July 1905.
	Upper Anicut padugais	..	..	482	..	482	..	No. 25, dated 26th December 1905.
	Area notified in previous years ..	198,199	..	..	..	198,199	..	
	Total ..	198,199	310	2,098	..	200,297	313	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	1,147	2	..	* 7	1,140	2	
	Reserved forests.							
Tanjore.	Area notified in previous years ..	12,461	20	..	..	12,461	20	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	SOUTHERN CIRCLE.							
	Reserved forests.							
South Canara.	Kodialmale	..	..	706	..	706	..	No. 114, dated 18th March 1905.
	Vorwadi	..	..	823	..	823	..	No. 138, dated 27th March 1905.
	Tombattu extension	..	..	246	..	246	..	No. 162, dated 10th April 1905.
	Kunthur ,, ...	..	..	20	..	20	..	No. 161, dated 11th April 1905.
	Kallapattimale	..	..	1,024	..	1,024	..	No. 168, dated 20th April 1905.
	Yenekal	..	..	3,434	..	3,434	..	No. 230, dated 2nd June 1905.
	Dondalarabi	..	..	976	..	976	..	No. 263, dated 27th June 1905.
	Kilarmale extension	..	..	5	..	5	..	No. 279, dated 15th July 1905.
	Tenkahola ,, ...	..	..	5	..	5	..	
	Naravi extension 1	..	..	19	..	19	..	No. 342, dated 28th August 1905.
	Do. 2	..	..	21	..	21	..	
	Do. 3	..	..	14	..	14	..	
	Dolpadi	..	..	1,022	..	1,022	..	No. 384, dated 2nd October 1905.
	Aivarnadu	..	..	1,758	..	1,758	..	No. 410, dated 30th October 1905.
	Mundajekap	..	..	474	..	474	..	No. 464, dated 18th December 1905.
	Paikadamale	..	..	1,365	..	1,365	..	No. 23, dated 26th December 1905.
	Subramanya	..	..	7,366	..	7,366	..	No. 24, dated 26th December 1905.
	Kanyarmale	..	..	3,174	..	3,174	..	No. 29, dated 21st December 1905.
	Adur	..	..	5,073	..	5,073	..	No. 55, dated 29th January 1906.
	Yenmuru	..	..	3,130	..	3,130	..	No. 99, dated 1st March 1906
	Area notified in previous years.	431,643	..	..	† 11	431,632	..	
	Total ..	431,643	674	30,655	11	462,287	722	

* Excluded at settlement. † Rectification.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Southern Circle—*cont.*							
	Reserved lands not transferred to reserved forests during the year.							
South Canara —*cont.*	Ballery	899	..	..	..	899	..	No. 380, dated 2nd October 1905.
	Bantamale extension II	..	..	24	..	24	..	No. 385, dated 4th October 1905.
	Kannadka	1,500	..	..	..	1,500	..	No. 408, dated 23rd October 1905.
	Dharmastala Mundaje extension I	..	..	1	..	1	..	No. 414, dated 4th November 1905.
	Do. do. II	544	..	..	..	544	..	No. 469, dated 19th December 1905.
	Do. do. III	619	..	..	..	619	..	No. 460, dated 19th December 1905.
	Bantaje	2,454	..	..	..	2,454	..	No. 462, dated 19th December 1905.
	Suvaramale	1,448	..	..	..	1,448	..	No. 20, dated 23rd December 1905.
	Dadanthamale	2,246	..	..	..	2,246	..	No. 21, dated 26th December 1905.
	Kunthur extension II	486	..	..	..	486	..	No. 31, dated 26th December 1905.
	Sampaje extension I	..	..	10	..	10	..	No. 64, dated 3rd February 1906.
	Halesomeshwar extension ..	..	..	3	..	3	..	No. 89, dated 23rd February 1906.
	Dharmastala Mundaje extension IV	974	..	..	..	974	..	No. 192, dated 21st April 1906.
	Shiradisisla extension II ..	113	..	..	..	113	..	No. 251, dated 9th May 1906.
	Irde	1,713	..	..	1,713	..	..	No. 465, dated 19th December 1905.
	Mandekole extension	1	..	..	1	..	..	No. 7, dated 20th December 1905.
	Area notified in previous years..	207,865	..	65	* 262 † 3,471	204,197	..	
	Total ..	220,862	345	103	5,447	215,518	337	
	Reserved forests.							
North Malabar.	Kottiyur	..	..	13,715	..	13,715	..	No. 444, dated 22nd November 1905.
	Area notified in previous years ..	150,048	..	..	..	150,048	..	
	Total ..	150,048	235	13,715	..	163,763	256	
	Reserved lands not transferred to reserved forests during the year.							
	Kambanmalai	..	..	1,575	..	1,575	..	No. 272, dated 2nd June 1906.
	Begur addition	..	..	13	..	13	..	No. 284, dated 2nd June 1906.
	Area notified in previous years ..	922	..	..	..	922	..	
	Total ..	922	1	1,588	..	2,510	4	
	Reserved forests.							
South Malabar.	Area notified in previous years ..	139,839	218	..	‡ 15,392	124,447	194	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	42,032	66	..	..	42,032	66	
	Reserved forests.							
The Nilgiris.	Auduthorai reserve addition No. I	..	..	35	..	35	..	No. 178, dated 25th April 1905.
	Kodanad valley shola addition ..	..	..	170	..	170	..	Do. do.
	Kambatti	..	..	736	..	736	..	No. 166, dated 29th March 1906.
	Area notified in previous years..	263,810	..	..	§ 2	263,808	..	No. 17, dated 18th February 1906.
	Total ..	263,810	412	941	2	264,749	414	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	54,869	85	..	..	54,869	85	

* Excluded at settlement.
† Unreserved.
‡ Transferred to South Coimbatore division on 16th October 1905.
§ Portion of the river reserve disafforested.

Range.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved forests.							
North Coimbatore.	Area notified in previous years..	876,601*	1,370	..	960†	875,641	1,368	No. 376, dated 26th September 1905.
	Reserved lands not transferred to reserved forests during the year.							
	Doddasampagai addition	..	..	1	..	1	..	
	Area notified in previous years ..	180,480	..	..	4,960‡ 1,045§	174,175	..	
	Total ..	180,480	282	1	6,005	174,476	273	
	Reserved forests.							
South Coimbatore.	Area notified in previous years..	423,657	662	15,392‖	..	439,049	686	
	Reserved lands not transferred to reserved forests during the year—**Nil.**							
	Reserved forests.							
Madura.	Ampthill Downs	..	..	31,276	..	31,276	..	No. 70, dated 9th February 1906.
	Kokkuparai addition	..	..	12	..	12	..	No. 75, dated 15th February 1906.
	Area notified in previous years..	394,021	..	1,194¶	..	395,215	..	
	Total ..	394,021	616	32,482	..	426,503	666	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	2,106	..	..	2,106**	..	..	
	Reserved forests.							
Tinnevelly.	Jadekaithottem	..	..	3	..	3	..	No. 244, dated 14th June 1905.
	Kulisalkidai	..	..	1	..	1	..	
	Nadugani, second bit	..	..	6	..	6	..	
	Ladanthottem	..	..	10	..	10	..	No. 137, dated 27th March 1906.
	Area notified in previous years..	279,505	..	..	..	279,505	..	
	Total ..	279,505	437	20	..	279,525	437	
	Reserved lands not transferred to reserved forests during the year.							
	Vaiyur tank-bed	158	..	..	158	..	..	No. 225, dated 2nd May 1906.
	Area notified in previous years..	281	..	..	..	281	..	
	Total ..	439	..	..	158	281	..	

* The area of the Vellamundi reserve was wrongly entered in the previous year's returns as 16,292 acres instead of 10,677 acres.
† Area of the portion of the Nilgiri Eastern slopes reserve disafforested.
‡ Erroneously shown against N and S Burghur reserves in the previous year's returns.
§ Deducted on a more correct computation of the area of the Pachapalimalai block.
‖ Transferred from South Malabar.
¶ Added owing to the adoption of correct areas of the reserved forests according to the Survey of India maps.
** Excluded during the settlement of the Ampthill Downs reserve.

FORM

Forest Department,

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Ganjám ..	538	No. 1265, Revenue, dated 27th December 1905.	Agustinowgam extensions A to D.	.. (a)	..	..	..
		No. 88, Revenue, dated 29th January 1906.	Ambazora addition	.. (a)	..	..	..
			Total ..	..	..	..	..
Vizagapatam.	298	....	....	..	..	..	..
Gódávari ..	868	....	....	..	..	..	..
Kistna ..	280	No. 1225, Revenue, dated 19th December 1905.	Jangalapalli extension I ..	·04	..	921	..
			Do. II ..	·01			
			Do. III ..	·04			
		....	Do. IV ..	·09			
		....	Do. V ..	·09			
			Total ..	·27	..	921	..
Guntúr ..	814	No. 235, Revenue, dated 14th March 1906.	Nidamarru block I (a) extension I.	0·03	..	..	..
		....	Nidamarru block II extension I.				
Kurnool, East.	* 1,479	....	....	..	..	..	..
Kurnool, West.	* 1,059	No. 1224, Revenue, dated 19th December 1905.	Lanjabanda extension ..	4·81	..	..	..
		No. 378, Revenue, dated 26th April 1906.	Yemboyi	† 5·35	(b) 818	..	..
			Total ..	10·16	..	..	..

(a) Below 1 square mile.

* The difference between this and the previous year's figure is due to the fact that a portion of the Nandikotkur reserve with an area of 215·89 square miles transferred to Markapur reserve in Government Order, No. 149, dated 13th March 1897, and portions of Gazulapalle, Nandyal and Sirvel reserves with areas of 0·40 square mile, 94·49 square miles and 12·80 square miles, respectively, included in the Railway Working Circle of the East district were omitted by mistake to be shown in the previous year's return.

No. 45.

Madras Presidency.

incurred on, Forest Settlements, during 1905–1906.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.				RS.	SQ. MLS.
Pondakhol and its addition ..	60	....	..	..	640	..
....	..	....	..	..	..	..
Total ..	..	Total ..	..	..	640	..
....	..	....	..	..	..	20
Coringa extension	75	....	..	..	..	..
....	..	....	..	..	..	·04
Total ..	..	Total ..	..	..	..	..
....	..	....	..	..	..	..
....	..	....	..	..	..	..
Gani	73	....	..	..	853	..
Owk extension	1	....	..	..	..	..
Rangapuram	9	....	..	..	..	..
Total ..	83	Total ..	..	..	353	..

(*b*) Amount spent for the demarcation of reserves notified in previous years.
† Reservation takes effect subsequent to the close of the year.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Bellary ..	614	No. 1169, Rev., dated 4th December 1905.	Halasagaram	8·78	..	..	..
		No. 146, Rev., dated 16th February 1906.	Tonashagiri	1·99	53	..	..
			Total ..	10·77	53	..	..
Anantapur ..	510	No. 94, Rev., dated 1st February 1906.	1. Yeralampalli addition ..	0·56	723		..
		No. 198, Rev., dated 2nd March 1906.	2. Dokkalakonda addition No. I	0·01	..		..
		No. 199, Rev., dated 2nd March 1906.	3. Molakatalla addition No. I.	0·02	..		..
		No. 345, Rev., dated 17th April 1906.	4. Gudipad reserve *	3·94	30		..
		No. 352, Rev., dated 20th April 1906.	5. Yadiki extensions I to VI. *	0·35	..	5,307	..
		No. 353, Rev., dated 20th April 1906	6. Muchukota addition Nos. I to VII. *	0·07	..		..
		Do.	7. Yadiki additions I and VIII. *	0·04	..		..
		No. 437, Rev., dated 16th May 1906.	8. Ravuludiki addition * ..	0·01	..		..
		No. 456, Rev., dated 26th May 1906.	9. Muchukota addition VIII. *	0·02	..		..
			Total ..	5·02	753	5,307	..
							Central
Cuddapah ..	2,246	....	....	..	..	..	..
Nellore ..	739	....	....	..	..	793	..
Chingleput.	214	....	....	..	..	..	..
North Arcot.	1,290	No. 617, Rev., dated 4th July 1906.	Chittapara E block	0·2	..	..	..
			Total ..	0·2	..	..	..
South Arcot.	663	....	....	..	..	..	..
North Salem.	832	No. 768, Rev., dated 19th August 1905.	Urigam	12	..	..	..
		No. 223, Rev., dated 10th March 1906.	Kempakarai	10	..	..	..
			Tholuvabetta extension ..	2	..	..	..
		No. 394, Rev., dated 2nd May 1906.	Nyamasanthiram agraharam. *	1	..	..	..
		No. 590, Rev., dated 26th June 1906.	Mangalam South extension. *	4	..	..	..
			Total ..	29	..	..	..

* Reservation takes effect subsequent to the close of the year.

incurred on, Forest Settlements, during 1905–1906—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Total ..	..	Total ..	..	..	..	
1. Ilur extension	1·36	....	..	165	..	
2. Pamidi hill	1·12	....	..	..	..	
3. Jambagumpala	7·73	....	..	265	..	
		1. Yerlampalli addition II ..	0·02	..	..	
		2. Hotabetta north addition.	0·02	..	..	
		3. Beluguppa block	4·61	94	..	
		4. Guttur reserve addition ..	0·01	..	..	
		5. Katrimala additions I and II.	0·12	..	..	
		6. Janneavalapalli additions I and II.	0·03	..	.	
		7. Elavalakonda addition ..	0·01	..	..	
		8. Neradikonda addition ..	0·01	..	..	
Total ..	10·21	Total ..	4·83	524	..	82
Circle.						
Ganganapalli extension ..	47	....	..	..	} 677	
Seshachalam extension ..	60	....	..	..		
....	107					
	..	....	..	..	..	
Mr. Whiteside's garden .. {	0·01	Bommasamudram C block ..	0·726	..	..	
		Extension to Mamandur extension.	·041	..	..	
Total ..	0·01	Total ..	0·767	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Hulibanda	14·75	....	..	..	..	
Hudaidurgam	45·75	....	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Total ..	60·50	Total ..	..	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In-forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS.
South Salem	728	....	....	..	..	..	..
Trichinopoly.	313	....	....	..	..	57	..
Tanjore ..	20	....	....	..	..	..	..
							Southern
South Canara.	674	No. 253, Rev., dated 18th March 1905.	Kodialmale	1	..		..
		No. 259, Rev., dated 27th March 1905.	Vorwady	1	..		..
		No. 327, Rev., dated 10th April 1905.	Tombattu extension	.. (a)	..		..
		No. 337, Rev., dated 11th April 1905.	Kunthur extension	.. (a)	..		..
		No. 353, Rev., dated 20th April 1905.	Kallapattamale	2	..		..
		No. 716, Rev., dated 28th August 1905.	Naravi extension I ..	(a)	..		..
			Do. II ..	..	..		..
		No. 540, Rev., dated 2nd June 1905.	Yenekal	5	..		..
		No. 595, Rev., dated 27th June 1905.	Dondalarabi	2	..		..
		No. 646, Rev., dated 15th July 1905.	Tenkohola extension	.. (a)	..		..
		Do.	Kilarmale extension	.. (a)	..		..
		No. 876, Rev., dated 19th Sept. 1905.	Naravi extension III	.. (a)	..		..
		No. 955, Rev., dated 2nd October 1905.	Dolpady	2	..	6,296	..
		No. 1050, Rev., dated 30th October 1905.	Aivarnadu	3	..		..
		No. 1219, Rev., dated 18th December 1905.	Mundajekap	1	..		..
		No. 1257, Rev., dated 26th December 1905.	Paikadamale	2	..		..
		No. 1248, Rev., dated 23rd December 1905.	Kaniyarmale	5	..		..
		No. 1259, Rev., dated 26th December 1905.	Subbramanya	11	..		..
		No. 81, Rev., dated 23rd January 1906.	Adur	8	..		..
		No. 193, Rev., dated 1st March 1906.	Yenmuru	5	..		..
		No. 246, Rev., dated 16th March 1906.	Balpa *	3	..		..
		No. 372, Rev., dated 25th April 1906.	Aranthakalu *	1	..		..
		No. 622, Rev., dated 4th July 1906.	Verakhamba *	3	..		..
			Total ..	55	..	..	..
North Malabar.	235	No. 1137, Rev., dated 22nd Nov. 1905.	Kottiyur	21·43	170	..	..
		No. 406, Rev., dated 4th May 1906.	Nemminad	1·40	16	..	..
		No. 501, Rev., dated 2nd June 1906.	Kambanmalai	2·46	137	..	..
			Total ..	25·29	323	..	..

(a) Below one square mile.
* Reservation takes effect subsequent to the close of the year.

incurred on, Forest Settlements, during 1905–1906—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.			SQ. MLS.
Nagur extension	4·31	....	..	..	..	
Mogavanur	1·78	....	..	..	..	
....	..	....	..	..	..	
Circle.						
Hole Someshwar	3	Hole Someshwar extension I ..	.. (*a*)	..	..	164
New Someshwar	4	Dharmastala extension I ..	.. (*a*)	..	..	
Kalanjimale	5	Do. II ..	1	..	..	
	..	Do. III ..	1	..	..	
Kilarmale	15	Suvarmale	2	..	..	
Mandekole	12	Dadanthamale	4	..	..	
Bakudihola extension ..	.. (*a*)	Kunthur extension II	1	..	..	
Bantamale	5	Dharmastala extension IV ..	2	..	..	
....	..	Shiradisisla extension II ..	.. (*a*)	..	..	
....	..	Ballery	1	..	..	
Sampaje	23	Bantamale extension II ..	.. (*a*)	..	..	
Kiribag	18	Kannadka	2	..	..	
Aletti I	5	Bantaje	4	..	..	
Pumale	9	Sampaje extension I	(*a*)	..	..	
Medinadka	7	....	..	..	..	
Aletti II	7	....	..	..	..	
Todikan	6	....	..	..	..	
Nalkur	12	....	..	..	..	
Jalsur	5	....	..	..	..	
Devachalla	6	....	..	..	..	
Anegundi	6	....	..	..	..	
Bantamale extension	..	....	..	..	..	
....	.. (*a*)	....	..	..	..	
Total ..	148	Total ..	18	..	..	164
....	..	....	..	..	..	
....	..	....	..	..	..	
Begur addition	.. (*a*)	....	..	..	..	
Total ..	..	Total ..	..	..	..	..

(*a*) Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
Southern							
	SQ. MLS.			SQ. MLS.			
South Malabar.	† 194	No. 724, Revenue, dated 27th July 1906.	Panakadan	1·40	..	..	..
The Nilgiris.	412·52	No. 301, Revenue, dated 29th March 1906.	Kambatti	1·15	..	..	..
North Coimbatore.	1,378 * — 10	G.O., No. 789, Revenue, dated 15th August 1906.	Pachapalimalai	10·71	..	..	..
			Total ..	..	..	..	..
South Coimbatore.	† 686	....	....	..	..	..	..
Madura ..	617·53	No. 119, Revenue, dated 9th February 1906.	Ampthill Downs	48·86	..	..	..
		No. 142, Revenue, dated 15th February 1906.	Kokkuparai addition	0·02	..	..	..
			Total ..	48·88	..	..	..
Tinnevelly ..	436·74	....	....	..	..	..	..

* 8 square miles deducted on a more correct computation of the Vellumundi reserve and 2 square miles disafforested during the year.

† 24 square miles of reserved forests were transferred to South Coimbatore during the year.

incurred on, Forest Settlements, during 1905–1906—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.				RS.	SQ. MLS.
The Silent Valley	45	....	..	..	3,148	
....	..	....	..	..	..	
Madeswaranmalai and its addition.	246	....	..	..	1,312	10
Ennamangalam	16	....	..	..	..	
Total ..	262	Total ..	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Total ..	..	Total ..	..	..	..	
Naranapuram	0·686	..	..	..	..	

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new work.	Expenditure on demarcation during the year. On repairs.
1	2	3	4	5	6	7	8	9	10
	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Northern Circle.									
Ganjám	...	{ 118 (f) 547 }	498	1,163	...	80	1,243	...	{ 343 + (a)1,540
Vizagapatam	...	450	...	450	...	...	450	34	...
Gódávari (c)	(b) 31	1,109	73	1,213	...	218	1,431	852	{ 48 + (d)446
Kistna	1	...	493	494	9	41	544	365	{ 108 + (d)160
Guntúr	25	42	1,322	1,389	...	...	1,389	211	{ 1,162 + (d) 559 + (e) 1
Kurnool, East (i)	36	166	924	1,126	6	79	1,211	581	{ 1,089 −(e) 30
Do. West	80	(f) 360	540	980	75	135	1,190	792	{ 26 + (e) 1
Bellary	36	81	1,597	1,714	12	...	1,726	533	{ 739 −(e) 15
Anantapur	...	31	1,288	1,319	6	...	1,325	1,482	329
Total, Northern Circle ...	209	{ 1,997 (f) 907 }	6,735	9,848	108	553	10,509	4,850	6,506
Central Circle.									
Cuddapah	72	3	3,505	3,580	3	...	3,583	647	{ 16 − (e) 1
Nellore	37	(f) 2,039	...	2,076	17	84	2,177	273	107
Chingleput	...	686	238	924	...	...	924	...	{ 410 + (d)829
North Arcot	1	{ 4 (f)2,372 }	58	2,435	...	44	2,479	10	{ 55 + (e)482
South Arcot	28	{ 4 (f)621 }	1,627	2,280	82	...	2,362	528	170
North Salem	29	976	353	1,358	62	65	1,485	230	223
South Salem	...	1,069	153	1,222	11	5	1,238	21	1,179
Trichinopoly (j)	65	622	177	864	41	41	946	1,492	24
Tanjore	...	...	79	79	...	...	79	...	...
Total, Central Circle ...	232	{ 3,364 (f)5,032 }	6,190	14,818	216	239	15,273	3,201	3,494
Southern Circle.									
South Canara	122	1	3,070	3,193	469	110	3,772	1,119	3
North Malabar	24	368	653	1,045	74	26	1,145	768	{ 2,567 + (e) 25
South Malabar (g)	1	11	124	136	27	112	275	13	157
The Nilgiris	20	69	1,495	1,584	6	255	1,845	337	807
North Coimbatore	...	...	1,092	1,092	2	222	1,316	...	878
South Coimbatore (k)	...	17	533	550	...	77	627	...	239
Madura	...	{ 154 (f) 402 }	998	1,554	38	140	1,732	...	6,918
Tinnevelly	...	...	557	557	25	17	599	563	{ 41 − (h) 5 + (e) 1
Total, Southern Circle ...	167	{ 620 (f) 402 }	8,522	9,711	641	959	11,311	2,800	11,631
Grand Total ...	608	{ 5,981 (f)6,341 }	21,447	34,377	965	1,751	37,093	10,851	21,631

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes. The lengths of boundaries of forests finally notified should alone be shown in this return.

(a) Amount spent on demarcation of interior boundaries.

(b) The variation between the total of figures in columns 3 and 4 and that entered in column 5 of the statement for 1904–1905 is reported to be due to the adoption of revised figures.

(c) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the adoption of revised figures.

(d) Establishment charges.

(e) Added or deducted as per Accountant-General's audited figures.

(f) Cleared by Forest subordinates free of cost.

(g) The difference between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the transfer of Chenat Nair and 3 other small reserves to South Coimbatore division.

(h) Cash recovery for service payments.

(i) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the fact that a length of 23 miles, which was demarcated during the previous year, had to be redone during 1905–1906 owing to certain defects.

(j) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the adoption of correct figures arrived at by actual measurement of the perimeter of reserves.

(k) The variation between the total of figures in columns 3 and 4 and the figure in column 5 of the return for 1904–1905 is due to the transfer to the district of four reserves from South Malabar division.

Form No. 47.

Forest Department, Madras Presidency.

Statement of Forest Areas surveyed and under survey during the year 1905–1906.

District.	Areas surveyed and under survey during the year 1905–1906.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.						With details of growing stock.		Without details of growing stock.					
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	S. MLS.		S. MLS.	S. MLS.	RS.	MLS.	S. MLS.	RS.			S. MLS.			MLS.	MLS.	
Northern Circle.																
Ganjám	..	..	124	288	40,770	390	..	1,334	390	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódavari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kistna	..	..	90	27	129	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..	..	118	..	..
Kurnool, East	..	..	2,617	..	11,717	1,015	..	..	..	..	..	..	..	..	..	..
„ West																
Bellary	..	..	..	..	..	..	..	..	..	..	624	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle ..	..	..	2,999	315	52,616	1,405	..	1,334	390	..	812	..	..	118	..	..
Central Circle.																
Cuddapah	..	..	2,213	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	52	..	..	..	1,936	..	..	..	..	..	..	..	..
North Arcot	..	..	1,193	..	..	..	..	..	..	..	..	..	..	..	..	..
South „	..	..	217	..	8,829	82	..	..	..	..	441	..	..	..	..	..
North Salem	..	..	833	..	..	..	..	..	..	..	21	..	..	..	..	..
South „	..	..	702	..	..	..	..	..	..	..	..	..	..	26	..	..
Trichinopoly	..	..	66	..	25,000	3	..	..	..	..	..	..	..	310 S.M.	3	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	..	..	5,224	52	33,829	85	..	1,936	..	..	462	..	..	26 310 S.M.	} 3	..
Southern Circle.																
South Canara	..	..	1,180	47	14,750	592	..	28,389	..	..	..	..	..	..	..	..
North Malabar	..	..	..	148	..	..	25	28,389	..	..	..	..	..	..	..	..
South „	1	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	..	..	1,893	..	4,839	311	..	283	..	..	..	..	..	..	..	..
South „	..	..	686	..	..	..	..	..	..	..	6	..	..	..	..	..
Madura	..	..	617	49	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle ..	1	..	4,386	244	19,589	903	25	57,061	..	..	6	..	..	..	..	..
Grand Total, Presidency.	1	..	12,609	611	106,034	2,393	25	60,331	390	..	1,280	..	..	144 310 S.M.	} 3	..

Statement of Forest Areas surveyed and under survey during the year 1905–1906—*cont.*

District.	Areas surveyed and under survey during the year 1905–1906—*cont.* — Chain and compass or other surveys by local officers. — With interior details. — 4-inch or over. — Previous.	Of year.	Under 4-inch. — Previous.	Of year.	Total cost.	Boundary surveys. — Previous.	Of year.	Total cost.	Areas remaining to be taken under survey.	Total forest area at end of year, as per Form No. 44.	Cost. — Previous.	Of year.	Entire cost of all surveys up to the end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	S. MLS.	S. MLS	S. MLS	S. MLS.	RS.	L. MLS.	L. MLS.	RS.	S. MLS.	S. MLS.	RS.	RS.	RS.
Ganjám	53	..	..	..	..	1,308	87	435	..	538	34,417	435	34,852
Vizagapatam	29	..	..	..	..	..	..	..	..	298	2,150	..	2,150
Gódávari	1	..	26	..	6	540	..	796	301	868	63,939	1,439	65,378
Kistna	15	..	..	..	24	78	77	61	..	280	9,846	611	10,457
Guntúr	85	104	..	..	778	22	21	17	..	814	11,930	1,025	12,955
Kurnool, East	8 (East and West)	43	..	..	530	53	53	90	373	1,479	1,45,956 (East and West)	191	1,47,256 (East and West)
" West										1,064		1,109	
Bellary	..	..	..	..	..	..	..	..	..	624	1,691	560	2,251
Anantapur	154	..	..	..	..	..	5	..	..	510	449	345	794
Total, Northern Circle ..	345	147	26	..	1,338	2,001	243	1,399	674	6,475	2,70,378	5,715 *+ 39,131	2,76,093 *+ 39,131
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,246	1,09,088	330	1,09,418
Nellore	..	..	..	..	..	..	..	..	..	739	1,913	365	2,278
Chingleput	..	..	..	..	..	..	..	..	..	214	1,160	437	1,597
North Arcot	97	..	..	..	..	..	..	..	..	1,290	17,949	366	18,315
South "	6		..	..	52	..	..	..	..	663	9,612	237	9,849
North Salem	..	..	..	..	..	3	..	..	3	857	19,912	1,451	21,363
South "	..	10	..	..	504	9	5	1,145	21	728	18,784	1,145	19,929
Trichinopoly	1	..	..	..	..	129	3	360	181	313	26,080	356	26,436
Tanjore	20	..	..	..	..	..	..	..	..	20	..	6	6
Total, Central Circle ..	124	10	..	..	556	141	8	1,505	205	7,070	2,04,498	(a) 4,989 *+1,903	(a) 2,09,487 * + 1,903
Southern Circle.													
South Canara	..	..	..	..	..	891	12	..	..	722	55,453	947	56,400
North Malabar	..	..	..	..	..	..	..	..	..	256	12,179	..	12,179
South "	..	..	..	..	..	183	..	..	183	194	1,880	370	2,250
The Nilgiris	..	..	..	..	..	..	..	..	..	414	1,119	360	1,479
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,368	93,386	360	93,746
South " ..	..	..	..	..	..	..	..	..	..	686	5,548	1,589	7,137
Madura	..	..	..	..	..	..	52	..	..	666	791	411	1,202
Tinnevelly	..	..	..	..	..	..	..	..	..	437	1,203	360	1,563
Total, Southern Circle ..	..	..	..	..	..	1,074	64	..	183	4,743	1,71,559	(b) 4,617 *+ 30,538	1,76,176 *+30,538
Grand Total, Presidency.	469	157	26	..	1,894	3,216	315	2,904	1,062	18,288	6,46,435	(b) 15,321 *+71,572	6,61,756 * + 71,572

(*a*) Includes Rs. 296 being charges incurred under Central Circle Direction A-VIII (c) (1).
(*b*) Includes Rs. 220 being charges incurred under Southern Circle Direction A-VIII (c) (1).
* Survey of India charges.

ANNUAL FORM NO. 48.

Forest Department, Madras Presidency.

PROGRESS made in working-plans during 1905–1906.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area, as in Form No. 44.	Entire cost per square mile of working-plans completed.	Remarks.
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	
Ganjám	451	..	..	..	147	598	8	
Vizagapatam	144	..	119	..	82	345	..	
Gódávari	378	..	259	..	306	943	288	
Kistna	58	..	33	..	189	280	..	
Guntúr	8	..	2	..	804	814	..	
Kurnool, East	158	..	.	..	1,321	1,479	..	
Kurnool, West	77	..	598	54	423	1,152	12	
Bellary	102	..	191	..	394	687	..	
Anantapur	* 434	..		..	95	529	20	
Total, Northern Circle ..	1,810	..	1,202	54	3,761	6,827	328	
Central Circle.								
Cuddapah	..	..	3	..	2,350	2,353	43	
Nellore	218	..	† 346	..	175	739	95	
Chingleput	..	..	214	..	..	214	6	
North Arcot	948	..	339	..	4	1,291	..	
South Arcot	321	..	† 120	..	222	663	76	
North Salem	252	..	293	378	.	923	30	
South Salem	437	110	..	..	185	732	504	
Trichinopoly	1	..	† 36	..	278	315	..	
Tanjore	4	..	5	..	11	20	..	
Total, Central Circle ..	2,181	110	1,356	378	3,225	7,250	754	
Southern Circle.								
South Canara	662	..	..	..	397	1,059	..	
North Malabar	178	..	..	..	82	260	..	
South Malabar	30	..	..	..	230	260	..	
The Nilgiris	16	..	..	..	483	499	..	
North Coimbatore ..	423	..	..	24	1,194	1,641	..	
South Coimbatore ..	234	..	..	298	154	686	..	
Madura	† 356	..	..	310	..	666	..	
Tinnevelly	240	..	..	..	197	437	..	
Total, Southern Circle ..	2,139	..	..	632	2,737	5,508	(a) 436	
Grand Total, Presidency ..	6,130	110	2,558	1,064	9,723	19,585	1,518	

* The difference of 1 mile between the total of columns 3 and 4 of the previous year's return and column 2 of this represents the area of small parts of blocks already included in the sanctioned working plans.

† Revised figure reported by Collector.

(*a*) Includes expenditure incurred under A-VIII-D, Direction, Southern Circle.

Note.—The figures in column 8 represent the total expenditure incurred under the head A-VIII-D in the several districts during the year under report.

ANNUAL

Forest Department,

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		RS.		MLS.	RS.	RS.
Direction ..	....	..	....	..	..	..
Ganjám ..	(*b*) Rest-houses	1,432	(*a*) Cart-roads	12	100	..
	(*c*) Houses for subordinate establishments	113				
	Total, Ganjám ..	1,545	Total ..	12	100	1,645
Vizagapatam.	....	..	(*a*) Cart-roads	..	183	183
	Total, Vizagapatam ..	..	Total ..	..	183	183
Gódávari ..	(*a*) Head-quarter houses ..	1,305	(*a*) Cart-roads	..	3,912	7,118
	(*b*) Rest-houses	960				
	(*c*) Houses for subordinate establishments	941				
	Total, Gódávari ..	3,206	Total ..	..	3,912	7,118
Kistna ..	(*c*) Houses for subordinate establishments	236	(*a*) Cart-roads	2	153	..
	Total, Kistna ..	236	Total ..	2	153	389
Guntúr ..	(*a*) Head-quarter houses ..	481	(*a*) Cart-roads	3	188	4,546
	(*b*) Rest-houses	3,877				
	Total, Guntúr ..	4,358	Total ..	3	188	4,546
Kurnool East.	(*a*) Head-quarter houses ..	703	(*a*) Cart-roads	9	302	7,415
	(*c*) Houses for subordinate establishments	92				
	(*d*) Others	6,318				
	Total, Kurnool, East ..	7,113	Total ..	9	302	7,415

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13

Circle.

	RS.		MLS.	RS.	RS.
....	100	....	..	..	100
(*a*) Head-quarter houses	60	(*a*) Cart-roads	2	26	1,188
(*b*) Rest-houses	1,073				
(*c*) Houses for subordinate establishments	29	Add A-VII (*c*) ..	..	..	493
Total ..	1,162	Total ..	2	26	1,681
(*a*) Head-quarter houses	252	(*a*) Cart-roads	..	..	936
(*b*) Rest-houses	266				
(*c*) Houses for subordinate establishments	418	Add A-VII (*c*) ..	..	..	130
Total ..	936	Total ..	..	..	1,066
(*a*) Head-quarter houses	136	(*a*) Cart-roads	..	642	4,956
(*b*) Rest-houses	2,133				
(*c*) Houses for subordinate establishments	93				
	2,362	Add A-VII (*c*) ..	..	..	799
Deduct cash recovery	89				
	2,273				
Add pay of temporary establishment ..	2,041				
Total ..	4,314	Total ..	..	642	5,755
(*a*) Head-quarter houses	398	(*a*) Cart-roads	8	50	..
(*c*) Houses for subordinate establishments	203	(*b*) Bridle-path	1	5	..
			9	55	770
	601	Add A-VII (*c*) ..	..	..	489
Add pay of temporary establishment ..	114				
Total ..	715	Total ..	9	55	1,259
(*a*) Head quarter houses	108	(*a*) Cart-roads	24	293	872
(*b*) Rest-houses	80	Add A-VII (*c*) ..	..	..	266
	188				
Add temporary establishment	391				
Total ..	579	Total ..	24	293	1,138
(*b*) Rest-houses	136	(*a*) Cart-roads	63	905	1,457
(*c*) Houses for subordinate establishments	26	Add A-VII (*c*) ..	..	..	254
	162				
Add establishment charges	390				
Total ..	552	Total ..	63	905	1,711

Communications

District.	New work undertaken during the year. — Buildings. — Description of building.	Buildings. — Expenditure incurred.	Roads and paths. — Road or path and object of the same.	Roads and paths. — Length of road or path.	Roads and paths. — Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
Northern						
		RS.		MLS.	RS.	RS.
Kurnool, West.	(a) Head-quarter houses ..	1,230	(a) Cart-roads	..	599	12,016
	(b) Rest-houses	36				
	(c) Houses for subordinate establishments	1,248				
	(d) Others	8,903				
	Total, Kurnool, West ..	11,417	Total ..	..	599	12,016
Bellary ..	(a) Head-quarter houses ..	45		..	..	222
	(c) Houses for subordinate establishments	177				
	Total, Bellary	222	Total ..	..	..	222
Anantapur ..	(b) Rest-houses	762		..	..	1,222
	(d) Others	460				
	Total, Anantapur ..	1,222	Total ..	..	..	1,222
Total, Northern Circle.	(a) Head-quarter houses ..	3,764	(a) Cart-roads	26	5,437	34,756
	(b) Rest-houses	7,067				
	(c) Houses for subordinate establishments	2,807				
	(d) Others	15,681				
	Grand Total, Northern Circle ..	29,319	Grand Total ..	26	5,437	34,756
Central						
Direction ..	Total ..	..	Total ..	..	..	..
Cuddapah ..	(a) Head-quarter houses ..	49				
	(b) Rest-houses	636				
	Total, Cuddapah ..	685	Total ..	..	..	685
Nellore ..	(a) Head-quarter houses ..	800	....	..	..	1,774
	(b) Rest-houses	974		..	..	..
	Total, Nellore ..	1,774	Total ..	..	..	1,774
Chingleput ..	(c) Houses for subordinate establishments	245	-	..	..	245
	Total, Chingleput ..	245	Total ..	..	..	245
North Arcot ..	(b) Rest-houses	304	(a) Cart-roads	8	406	2,251
	(c) Houses for subordinate establishments	1,541				
	Total, North Arcot ..	1,845	Total ..	8	406	2,251

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(b) Rest-houses	72	(a) Cart-roads	..	259	684
Add cost of temporary establishment ..	353	Add A-VII (c) ..	..	..	24
Total ..	425	Total ..	..	259	708
(c) Houses for subordinate establishments	145	(a) Cart-roads	9	40	232
Add pay of watchers	47	Add A-VII (c) ..	..	..	560
Total ..	192	Total ..	9	40	792
(a) Head-quarter houses	240	(a) Cart-roads	9	839	5,108
(b) Rest-houses	3,040				..
	3,280				
Add pay of temporary establishment, etc.	1,027	Add A-VII (c) ..	..	..	76
	4,307				
Deduct as per Accountant-General's audited figures	38				
Total ..	4,269	Total ..	9	839	5,184
(a) Head-quarter houses	1,294	(a) Cart-roads	115	3,054	..
(b) Rest-houses	6,800	(b) Bridle-paths	1	5	..
(c) Houses for subordinate establishments	914		116	3,059	16,303
	9,008				..
Add cost of temporary establishment ..	4,236	Add A-VII (c) ..	..	..	3,091
Grand Total ..	13,244	Grand Total ..	116	3,059	19,394
Circle.					
(a) Head-quarter houses	12	Total ..	..	..	12
(b) Rest-houses	1,828	(a) Cart-roads	11	2,073	4,233
(c) Houses for subordinate establishments	68	Add A-VII (c) ..	..	..	193
	1,896				
Add pay of watchers	264				
Total ..	2,160	Total ..	11	2,073	4,426
(a) Head-quarter houses	35	....	..	..	523
Add pay of watchers	488	Add A-VII (c) ..	..	..	460
Total ..	523	Total ..	..	..	983
(a) Head-quarter houses..	492	(a) Cart-roads	15	548	1,853
(b) Rest-houses	594	Add A-VII (c) ..	..	..	19
(c) Houses for subordinate establishments	118				
	1,204				
Add pay of watchers	101				
Total ..	1,305	Total ..	15	548	1,872
(a) Head-quarter houses	193	(a) Cart-roads	36	1,071	{ 4,296
(b) Rest-houses	1,322	(b) Bridle-paths	95	565	
	1,515		131	1,636	4,296
Add pay of watchers	1,145	Add A-VII (c) ..	..	..	139
Total ..	2,660	Total ..	131	1,636	4,435

Communications

District.	New works undertaken during the year 1905-1906.					Total expenditure on new work.
	Buildings.		Roads and paths.			
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
		RS.		MLS.	RS.	RS.
						Central
South Arcot ..	(*b*) Rest-houses	245	....	..	..	..
	(*c*) Houses for subordinate establishments	423				
	(*d*) Others	88				
	Total, South Arcot ..	756	Total ..	..	..	756
North Salem..	(*a*) Head-quarter houses ..	338	(*a*) Cart-roads	..	1,227	4,006
	(*b*) Rest-houses	713				
	(*c*) Houses for subordinate establishments	95				
	(*d*) Others	1,633				
	Total, North Salem ..	2,779	Total ..	..	1,227	4,006
South Salem ..	(*a*) Head-quarter houses ..	243	(*a*) Cart-roads	..	2,276	4,662
	(*b*) Rest-houses	1,583				
	(*c*) Houses for subordinate establishments	560				
	Total, South Salem ..	2,386	Total ..	..	2,276	4,662
Trichinopoly..	(*b*) Rest-houses	805	(*a*) Cart-road	3	150	..
			(*c*) Others	..	44	..
	Total, Trichinopoly ..	805	Total ..	3	194	999
Tanjore ..	....	..	....	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	1,430				
	(*b*) Rest-houses	5,260	(*a*) Cart-roads	11	4,059	15,378
	(*c*) Houses for subordinate establishments	2,864	(*c*) Others..	..	44	
	(*d*) Others	1,721				
	Grand Total, Central Circle ..	11,275	Total ..	11	4,103	15,378
						Southern
South Canara.	(*b*) Rest-houses	227	(*a*) Cart-roads	15	170	1,610
	(*c*) Houses for subordinate establishments	102				
	(*d*) Others	1,111				
	Total, South Canara ..	1,440	Total ..	15	170	1,610
North Malabar.	(*b*) Rest-houses	1,590	(*a*) Cart-roads	22	2,035	..
	(*c*) Houses for subordinate establishments	1,745	(*c*) Others	..	500	..
	Total, North Malabar ..	3,335	Total ..	22	2,535	5,870
South Malabar.	(*a*) Head-quarter houses ..	429	(*b*) Bridle-paths	3	219	..
	(*b*) Rest-houses	322	(*c*) Others..	..	807	..
	Total, South Malabar ..	751	Total ..	3	1,026	1,777

and Buildings—*cont.*

Repairs executed during the year 1905–1906.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	296	(*b*) Bridle-paths	7	264	2,308
(*b*) Rest-houses	1,000				
(*c*) Houses for subordinate establishments	387				
	1,683				
Add pay of watchers	361	Add A-VII (*c*) ..	..	..	41
Total ..	2,044	Total ..	7	264	2,349
(*a*) Head-quarter houses	192	(*a*) Cart-roads	..	274	715
(*b*) Rest-houses	249				
		Add A-VII (*c*) ..	..	..	2,399
Total ..	441	Total ..	..	274	3,114
(*a*) Head-quarter houses	29	(*a*) Cart-roads	..	584	776
(*b*) Rest-houses	139				
	168				
Add pay of watchers	24	Add A-VII (*c*) ..	..	..	153
Total ..	192	Total ..	..	584	929
(*a*) Head-quarter houses	100	(*a*) Cart-roads	9	350	621
(*b*) Rest-houses	138				
(*d*) Others	33	Add A-VII (*c*) ..	..	..	28
Total ..	271	Total ..	9	350	649
(*a*) Head-quarter houses	17	....	..	..	17
(*a*) Head-quarter houses	1,366	(*a*) Cart-roads	71	4,900	..
(*b*) Rest-houses	5,270	(*b*) Bridle-paths	102	829	..
(*c*) Houses for subordinate establishments	573				
(*d*) Others	33		173	5,729	15,371
	7,259				
Add pay of watchers	2,383	Add A-VII (*c*) ..	..	..	3,432
Total ..	9,642	Total ..	173	5,729	18,803
Circle.					
(*a*) Head-quarter houses	116	(*a*) Cart-roads	21	71	57
(*b*) Rest-houses	50				
(*c*) Houses for subordinate establishments	76				
(*d*) Others	67				
	309				
Add pay of watchers	192	Add A-VII (*c*) ..	..	..	65
Total ..	501	Total ..	21	71	637
(*b*) Rest-houses	635	(*a*) Cart-roads	92	1,646	..
		(*c*) Others	..	209	..
			92	1,855	2,490
		Add A-VII (*c*) ..	..	..	28
Total ..	635	Total ..	92	1,855	2,518
(*a*) Head-quarter houses	241	(*a*) Cart-roads	22	682	..
(*b*) Rest-houses	45	(*b*) Bridle-paths	91	202	..
(*c*) Houses for subordinate establishments	231		113	884	1,401
		Add A-VII (*c*) ..	..	..	294
Total ..	517	Total ..	113	884	1,695

Communications.

District.	New works undertaken during the year. — Buildings. — Description of building.	Expenditure incurred.	Roads and paths. — Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7

Southern

District.	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
		RS.		MLS.	RS.	RS.
The Nilgiris ..	(a) Head-quarter houses ..	1,574		..	..	..
	(b) Rest-houses	912		..	..	..
	(d) Others	188		..	..	..
	Total, The Nilgiris ..	2,674	Total ..	..	.	2,674
North Coimbatore.	(a) Head-quarter houses ..	205	(a) Cart-roads	23	1,539	2,599
	(b) Rest-houses	855				
	Total, North Coimbatore ..	1,060	Total ..	23	1,539	2,599
South Coimbatore.	(a) Head-quarter houses ..	690	(c) Others (Extension of tram line)	1	377	2,404
	(b) Rest-houses	191				
	(c) Houses for subordinate establishments	170				
	(d) Others	976				
	Total, South Coimbatore ..	2,027	Total ..	1	377	2,404
Madura ..	(b) Rest-houses	2,647	(a) Cart-roads	..	1,741	5,759
	(c) Houses for subordinate establishments	1,100				
	(d) Others	271				
	Total, Madura ..	4,018	Total ..	..	1,741	5,759
Tinnevelly ..	(b) Rest-houses	2,026	(a) Cart-roads	8	1,487	..
	(c) Houses for subordinate establishments	357	(c) Others	..	184	..
	(d) Others	14				
	Total, Tinnevelly ..	2,397	Total ..	8	1,671	4,068
Total, Southern Circle.	(a) Head-quarter houses ..	2,898	(a) Cart-roads	68	6,972	26,761
	(b) Rest-houses	8,770	(b) Bridle-paths	3	219	
	(c) Houses for subordinate establishments	3,474	(c) Others	..	1,868	
	(d) Others	2,560				
	Total, Southern Circle ..	17,702	Grand Total ..	71	9,059	26,761
Total, Presidency.	(a) Head-quarter houses ..	8,092	(a) Cart-roads	105	16,468	76,895
	(b) Rest-houses		(b) Bridle-paths	3	219	
	(c) Houses for subordinate	21,097	(c) Others	..	1,912	
	establishments	9,145				
	(d) Others	19,962				
	Grand Total, Presidency ..	58,296	Total ..	108	18,599	76,895

and Buildings—*cont.*

Repairs executed during the year 1905–1906.

Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(b) Rest-houses	1,235	(a) Cart-roads	99	2,782	4,017
		Add A-VII (c) ..	..	..	133
Total ..	1,235	Total ..	99	2,782	4,150
(a) Head-quarter houses .. .. (b) Rest-houses .. .. (d) Others	113 860 160	(a) Cart-roads .. .. Pay of road coolies	16 ..	840 { 4,480 —* 35 }	.. ..
	1,133		16	5,285	6,898
Add pay of watchers ..	480	Add A-VII (c) ..	..	..	405
Total ..	1,613	Total ..	16	5,285	7,303
(b) Rest-houses .. .. (c) Houses for subordinate establishments .. .. (d) Others	596 638 13	(a) Cart-roads .. .. (b) Bridle-paths	20 ..	2,520 24	.. ..
			20	2,544	3,791
		Add A-VII (c) ..	..	..	761
Total ..	1,247	Total ..	20	2,543	4,552
(a) Head-quarter houses .. .. (b) Rest-houses .. .. (c) Houses for subordinate establishments .. .. (d) Others	25 353 142 36	(a) Cart roads	..	3,625	4,495
		Add A-VII (c) ..	..	..	102
	556				
Add pay of watchers	364-50*				
Total ..	870	Total ..	..	3,625	4,597-50*
(b) Rest-houses .. .. (c) Houses for subordinate establishments .. .. (d) Others	660 78 13	(a) Cart-roads .. .. (b) Bridle-paths .. .. (c) Others	80 24 ..	3,035 400 79	.. .. ..
			104	{ 3,514 † —40 }	4,225
		Add A-VII (c) ..	..	..	96
Total ..	751	Total ..	104	3,474	4,321
(a) Head-quarter houses .. .. (b) Rest-houses .. .. (c) Houses for subordinate establishments .. .. (d) Others	495 4,434 1,165 289	(a) Cart-roads .. .. (b) Bridle-paths .. .. (c) Others	350 115 ..	15,111 626 { 288 +(a)4,445 }	.. .. ..
	6,383		465	20,470	27,839
Add pay of watchers	986	Add A VII (c) ..	..	..	1,884
Total ..	7,369	Total ..	465	20,470	29,723
(a) Head-quarter houses .. .. (b) Rest-houses .. .. (c) Houses for subordinate establishments .. .. (d) Others	3,155 16,504 2,652 322	(a) Cart-roads .. .. (b) Bridle-paths .. .. (c) Others	536 218 ..	23,065 1,460 4,733	} 59,496
	22,633		754	29,258	59,496
Add pay of watchers ..	7,605	Add A-VII (c) ..	..	..	8,407
Total ..	30,238	Total ..	754	29,258	67,903

* Deducted as per Accountant-General's audited figures.
† Cash recovery.
(a) Wages for road coolies.

ANNUAL

Forest Department,

REGISTER of Breaches of

District.		Cases pending from 1904–1905.	New cases of the year.					Total cases.
			Injury to forests by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Northern
Ganjám ..	A	* 41	14	200	28	† 1	243	284
	B	* 16	1	104	10	† 1	116	132
	C	..	..	26	..	..	26	..
	Total ..	57	15	330	38	2	385	416
Vizagapatam ..	A	* 8	..	28	2	..	30	38
	B	* 23	..	207	35	..	242	265
	C	..	..	..	..	..	..	..
	Total ..	31	..	235	37	..	272	303
Gódávari ..	A	52	..	78	26	17	121	173
	B	5	..	61	..	21	82	87
	C	..	89	..	..	..	89	..
	Total ..	§ 57	89	139	26	38	292	260
Kistna ..	A	56	1	34	24	2	61	117
	B	80	1	165	271	46	483	563
	C	..	..	..	..	..	..	..
	Total ..	136	2	199	295	48	544	680
Guntúr ..	A	* 30	1	52	69	6	128	158
	B	* 52	1	245	223	19	488	540
	C	..	1	3	..	..	4	..
	Total ..	82	3	300	292	25	620	698
Kurnool, East ..	A	68	2	122	68	7	199	267
	B	10	..	209	129	6	344	354
	C	..	..	19	8	1	28	..
	Total ..	78	2	350	205	14	571	621
Kurnool, West ..	A	63	7	175	39	64	285	348
	B	35	..	90	173	79	342	377
	C	..	1	64	12	37	114	..
	Total ..	98	8	329	224	180	741	725
Bellary ..	A	35	..	55	31	9	95	130
	B	173	..	397	250	21	668	841
	C	..	24	..	..	..	24	..
	Total ..	208	24	452	281	30	787	971

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1904–1905 and these figures are due to transfers between heads A and B.

† Cases of trespass with intent to steal.

FORM No. 50.

Madras Presidency.

Forest Rules during 1905–1906.

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle.						
112	335	20	107	132	442	80
				‡ 72	237	
107	280	..	..	107	280	25
..	..	..	..	..	..	..
219	615	20	107	239	722	105
				‡ 72	237	
19	55	3	25	22	80	16
194	490	..	..	194	490	46
				‡ 25	59	
..	..	..	..	..	..	..
213	545	3	25	216	570	62
				‡ 25	59	
143	375	19	44	162	419	9
				‡ 2	2	
40	150	..	..	40	150	5
				‡ 42	117	
..	..	..	..	..	..	..
183	525	19	44	202	569	14
				‡ 44	119	
80	245	23	116	103	361	14
474	1,196	..	..	474	1,196	68
				‡ 21	42	
..	..	..	..	..	..	..
554	1,441	23	116	577	1,557	82
				‡ 21	42	
84	244	35	93	119	337	39
406	1,988	..	..	406	1,988	47
				‡ 87	295	
..	..	..	..	..	..	..
490	2,232	35	93	525	2,325	86
				‡ 87	295	
173	609	29	79	202	688	60
				‡ 5	21	
301	692	..	..	301	692	18
				‡ 35	98	
..	..	..	..	..	..	..
474	1,301	29	79	503	1,380	78
				‡ 40	119	
280	915	22	50	302	965	46
344	1,018	..	..	344	1,018	33
..	..	..	..	..	..	..
624	1,933	22	50	646	1,983	79
48	206	10	32	58	238	71
				‡ 1	3	
449	1,565	..	..	449	1,565	246
				‡ 146	749	
..	..	..	..	..	..	..
497	1,771	10	32	507	1,803	317
				‡ 147	752	

‡ Withdrawn under the orders of the District Forest-officer.

§ Seven cases were transferred to the new Kistna district from the Delta range; hence the difference in the opening balance.

Register of Breaches of Forest

District.		Cases pending from 1904–1905.	New cases of the year.					Total cases.
			Injury to forests by fire.	Un-authorized felling or appropria-tion of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Northern
Anantapur ..	A	59	..	441	216	42	699	758
	B	6	..	127	128	10	265	271
	C	..	31	1	3	1	36	..
	Total ..	65	31	569	347	53	1,000	1,029
Total, Northern Circle.	A	412	25	1,185	503	148	1,861	2,273
	B	400	3	1,605	1,219	203	3,030	3,430
	C	..	146	113	23	39	321	..
Grand Total, Northern Circle ..		812	174	2,903	1,745	390	5,212	5,703
								Central
Cuddapah ..	A	* 72	1	168	64	6	239	311
	B	* 107	..	225	208	15	448	555
	C	..	25	..	..	..	25	..
	Total ..	179	26	393	272	21	712	866
Nellore	A	* 103	3	221	214	7	445	548
	B	* 9	..	302	383	14	699	708
	C	..	6	23	178	7	214	..
	Total ..	112	9	546	775	28	1,358	1,256
Chingleput ..	A	14	..	86	37	10	133	147
	B	103	..	432	323	9	764	867
	C	..	..	..	..	..	..	..
	Total ..	117	..	518	360	19	897	1,014
North Arcot ..	A	* 304	1	490	326	14	831	1,135
	B	* 180	..	1,046	915	46	2,007	2,187
	C	..	180	14	11	1	206	..
	Total ..	484	181	1,550	1,252	61	3,044	3,322
South Arcot ..	A	‡ 273	1	531	150	23	705	978
	B	‡ 473	..	1,120	614	49	1,783	2,256
	C	..	21	272	10	3	306	..
	Total ..	746	22	1,923	774	75	2,794	3,234
North Salem .	A	* 22	1	60	34	7	102	124
	B	* 96	..	474	328	14	816	912
	C	..	..	11	5	..	16	..
	Total ..	118	1	545	367	21	934	1,036

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1904–1905 and these figures are due to transfers between heads A and B.

Rules during 1905–1906—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
317	872	37	179	354 § 230	1,051 584	174
271	650	..	..	271	650	..
..	..	..	..	..	..	..
588	1,522	37	179	625 § 230	1,701 584	174
1,256	3,856	198	725	1,454 § 310	4,581 847	509
2,586	8,029	..	..	2,586 § 356	8,029 1,360	488
..	..	..	..	..	..	..
3,842	11,885	198	725	4,040 § 666	12,610 2,207	997
Circle.						
221	463	25	166	246	629	65
424	1,211	..	..	424 § 57	1,211 236	74
..	..	..	..	..	..	..
645	1,674	25	166	670 § 57	1,840 236	139
456	1,410	43	169	499 § 6	1,579 7	43
628	1,416	..	..	628 § 21	1,416 40	59
..	..	..	..	..	..	..
1,084	2,826	43	169	1,127 § 27	2,995 47	102
93	195	18	79	111 § 15	274 24	21
707	1,274	..	..	707	1,274	160
..	..	..	..	..	..	..
800	1,469	81	79	818 § 15	1,548 24	181
941	2,708	32	87	973 § 27	2,795 63	135
1,802	3,533	..	..	1,802 § 125	3,533 292	260
..	..	..	..	..	..	..
2,743	6,241	32	87	2,775 § 152	6,328 355	395
776	1,618	80	279	856 § 23	1,897 50	99
1,621	2,909	..	..	1,621 § 303	2,909 621	332
..	..	..	..	..	..	..
2,397	4,527	80	279	2,477 § 326	4,806 671	431
81	199	6	16	87	215	37
732	1,498	..	..	732 § 60	1,498 93	120
..	..	..	..	..	..	..
813	1,697	6	16	819 § 60	1,713 93	157

‡ The variations are due to transfers from B to A and to 300 out of 368 undetected cases at the close of the year 1904–1905 having been brought to head B, the offenders having since been traced. Sixty undetected cases were pending enquiry at the close of the year 1905–1906 and 314 cases were struck off the register during the year.

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.	Cases pending from 1904–1905.	New cases of the year. Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.
1	2	3	4	5	6	7	8
							Central
South Salem .. A	* 229	..	586	151	37	774	1,003
B	* 81	..	571	268	24	863	944
C	..	38	8	..	..	46	..
Total ..	310	38	1,165	419	61	1,683	1,947
Trichinopoly .. A	* 19	2	75	42	4	123	142
B	* 139	2	691	354	13	1,060	1,199
C	..	..	..	..	..	..	..
Total ..	158	4	766	396	17	1,183	1,341
Tanjore .. .. A	7	..	19	4	10	33	40
B	86	..	671	65	6	742	828
C	..	..	2	..	..	2	..
Total ..	93	..	692	69	16	777	868
Total, Central Circle. A	1,043	9	2,236	1,022	118	3,385	4,428
B	1,274	2	5,532	3,458	190	9,182	10,456
C	..	270	330	204	11	815	..
Grand Total, Central Circle ..	2,317	281	8,098	4,684	319	13,382	14,884
							Southern
South Canara .. A	* 38	24	185	54	68	331	369
B	* 38	12	280	91	54	437	475
C	† ..	..	..	..	..	..	..
Total ..	‡ 76	36	465	145	122	§ 768	844
North Malabar .. A	2	2	12	1	10	25	27
B	1	..	11	5	8	24	25
C	..	4	1	..	..	5	..
Total ..	3	6	24	6	18	54	52
South Malabar .. A	1	..	8	1	3	12	13
B	..	..	3	..	1	4	4
C	..	..	..	..	..	..	..
Total ..	1	..	11	1	4	16	17
The Nilgiris .. A	8	..	11	12	19	42	50
B	26	..	149	91	28	268	294
C	..	4	..	..	..	4	..
Total ..	34	4	160	103	47	314	344
North Coimbatore. A	* 107	9	217	151	15	392	499
B	* 51	4	188	116	5	313	364
C	..	73	1	..	..	74	..
Total ..	158	86	406	267	20	779	863

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing and opening balance are due to transfers between heads A and B.

† Not reported. ‡ Revised figure reported by the Collector.

§ Excludes 175 petty offences by 391 persons who were let off with a mere warning.

Rules during 1905–1906—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
518	1,951	105	681	623 ‖ 23	2,632 161	357
700	2,055	..	..	700 ‖ 67	2,055 196	177
..	..	..	..	..	..	..
1,218	4,006	105	681	1,323 ‖ 90	4,687 357	534
82	223	14	27	96	250	46
959	1,655	..	..	959 ‖ 76	1,655 120	164
..	..	..	..	..	..	..
1,041	1,878	14	27	1,055 ‖ 76	1,905 120	210
28	113	6	26	34	139	6
632	1,043	..	..	632 ‖ 25	1,043 37	171
..	..	..	..	..	..	..
660	1,156	6	26	666 ‖ 25	1,182 37	177
3,196	8,880	329	1,530	3,525 ‖ 94	10,410 305	809
8,205	16,594	..	..	8,205 ‖ 734	16,594 1,635	1,517
..	..	..	..	..	..	..
11,401	25,474	329	1,530	11,730 ‖ 828	27,004 1,940	2,326
Circle.						
166	364	39	157	205 ‖ 98	521 166	66
425	991	..	..	425	991	50
..	..	..	..	..	..	..
591	1,355	39	157	630 ‖ 98	1,512 166	116
18	27	6	16	24	43	3
10	18	..	..	10 ‖ 9	18 22	6
..	..	..	..	..	..	..
28	45	6	16	34 ‖ 9	61 22	9
7	47	3	16	10 ‖ 3	63 14	..
3	19	..	..	3	19	1
..	..	..	..	..	..	..
10	66	3	16	13 ‖ 3	82 14	1
40	113	3	7	43	120	7
253	845	..	..	253	845	41
..	..	..	..	..	..	..
293	958	3	7	296	965	48
428	1,297	35	233	463	1,530	36
263	702	..	..	263 ‖ 79	702 229	22
..	..	..	..	..	..	..
691	1,999	35	233	726 ‖ 79	2,232 229	58

‖ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.	Cases pending from 1904–1905.	New cases of the year.					Total cases.
		Injury to forests by fire.	Un-authorized felling or appropria-tion of wood and minor forest pro-duce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1	2	3	4	5	6	7	8
Southern							
South Coimbatore.. A	22	1	75	33	64	173	195
South Coimbatore.. B	25	..	94	54	86	234	259
South Coimbatore.. C	..	19	..	..	..	19	..
Total ..	47	20	169	87	150	426	454
Madura .. .. A	163	2	85	30	11	128	291
Madura .. .. B	* 202	..	671	403	68	1,142	1,344
Madura .. .. C	..	19	..	..	1	20	..
Total ..	365	21	756	433	80	1,290	1,635
Tinnevelly .. A	18	1	69	73	16	159	177
Tinnevelly .. B	43	..	382	37	33	452	495
Tinnevelly .. C	..	27	11	131	..	169	..
Total ..	61	28	462	241	49	780	672
Total, Southern Circle. A	359	39	662	355	206	1,262	1,621
Total, Southern Circle. B	386	16	1,778	797	283	2,874	3,260
Total, Southern Circle. C	..	146	13	131	1	291	..
Grand Total, Southern Circle ..	745	201	2,453	1,283	490	4,427	4,881
Presidency .. A	1,814	73	4,083	1,880	472	6,508	8,322
Presidency .. B	2,060	21	8,915	5,474	676	15,086	17,146
Presidency .. C	..	562	456	358	51	1,427	..
Grand Total, Presidency ..	3,874	656	13,454	7,712	1,199	23,021	25,468

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Revised figure reported by the Collector.

Rules during 1905–1906—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
156	522	13	119	169	641	26
191	586	..	..	191 ‡ 45	586 173	23
..	..	..	..	..	..	..
347	1,108	13	119	360 ‡ 45	1,227 173	49
49	196	19	87	68 ‡ 6	283 19	217
978	2,996	..	..	978 ‡ 144	2,996 554	222
..	..	..	..	..	..	..
1,027	3,192	19	87	1,046 ‡ 150	3,279 573	439
146	330	19	65	165	395	12
374	998	..	..	374 ‡ 47	998	74
..	..	..	..	..	..	..
520	1,328	19	65	539 ‡ 47	1,393	86
1,010	2,896	137	700	1,147 ‡ 107	3,596 199	367
2,497	7,155	..	..	2,497 ‡ 324	7,155 978	439
..	..	..	..	..	..	..
3,507	10,051	137	700	3,644 ‡ 431	10,751 1,177	806
5,462	15,632	664	2,955	6,126 ‡ 511	18,587 1,351	1,685
13,288	31,778	..	..	13,288 ‡ 1,414	31,778 3,973	2,444
..	..	..	..	..	..	..
18,750	47,410	664	2,955	19,414 ‡ 1,925	50,365 5,324	4,129

‡ Withdrawn under the orders of the District Forest-officer.

APPENDIX to Form No. 50 (Statement No. II prescribed by the Government of India).

District.	Details of prosecutions for offences by fire.					
	Serial number.	Area burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám	* 1	5	Intentional ..	Acquitted ..	....	....
	2	½	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two weeks' rigorous imprisonment
	3	3	Do. ..	Pending ..	....	....
	4	4	Do. ..	Do. ..	....	....
	5	1	Do. ..	Withdrawn ..	....	....
	6	3	Do. ..	Pending ..	....	....
	7	1	Do. ..	Do. ..	....	....
	8	*Nil.*	Careless ..	Do. ..	....	....
	9	5 sq. yds.	Intentional ..	Do. ..	....	....
	10	*Nil.*	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 10 each.
	11	*Nil.*	Do. ..	Do. ..	Do.	Fined Rs. 25.
	12	*Nil.*	Careless ..	Withdrawn ..	....	....
	13	*Nil.*	Intentional ..	Pending ..	....	....
	14	*Nil.*	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 10.
	15	*Nil*	Do. ..	Pending ..	....	....
Vizagapatam.	† 1	2	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Six weeks' rigorous imprisonment and to pay a sum of Rs. 20 as compensation for damages.
Gódávari ..	* 1	Not known.	Careless ..	Convicted ..	Do.	Fined Rs. 25.
	* 2	Do.	Do. ..	Acquitted ..	....	....
	* 3	Below one acre.	Intentional ..	Withdrawn ..	....	....
Kistna ..	1	35 acres.	Careless ..	Acquitted ..	....	....
Guntúr ..	1	*Nil.*	Intentional ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Three accused, fined Rs. 2 each.
Kurnool, East.	1	40	Careless ..	Acquitted ..	....	....
	2	40	Intentional ..	Pending ..	....	....
Kurnool, West.	1	2,074	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 2, in default to undergo rigorous imprisonment for a week and to pay Rs. 2 as compensation for damages.
	2	5	Do. ..	Do. ..	Section 21 (*e*) of the Madras Forest Act.	Two accused fined Rs. 20 each, in default rigorous imprisonment for one month.
	3	*Nil.*	Do. ..	Do. ..	Do.	Two accused to undergo three months' rigorous imprisonment.
	4	*Nil.*	Do. ..	Do. ..	Do.	Two accused to undergo fifteen days' rigorous imprisonment.
	5	3	Do. ..	Do. ..	Section 21 (*b*) & (*f*) of the Madras Forest Act.	One accused fined Rs. 8, in default fifteen days' rigorous imprisonment, and to pay a compensation of Rupees 1-8-0 under 21 (*b*) and three months' rigorous imprisonment under section 21 (*f*) and to pay a compensation of Rs. 1-8-0; second accused fined Rs. 8, in default simple imprisonment for fifteen days and to pay Rs. 1-8-0 as compensation under section 21 (*b*); simple imprisonment for one month under section 21 (*f*) and to pay Rs. 1-8-0 as compensation.
	6	*Nil.*	Do. ..	Withdrawn ..	....	
	7	*Nil.*	Do. ..	Pending ..	....	
	8	700	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused acquitted; the other fined Rs. 5, in default simple imprisonment for two weeks; also ordered to pay a compensation of Rs. 20.
Nellore ..	1	*Nil.*	Intentional ..	Convicted ..	Section 21 (*d*) of the Forest Act.	One accused fined Rs. 2 and the other to receive 8 stripes.
	2	*Nil.*	Do. ..	Withdrawn ..	....	....
	3	1	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused to suffer rigorous imprisonment for seven days; the case against two others is pending.
Cuddapah ..	1	8	Intentional ..	Pending ..	....	....
North Arcot ..	1	‡ 8	Careless ..	Do. ..	....	....
South Arcot ..	1	5	Intentional ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Out of the three accused, two were acquitted. The case against the third was withdrawn.
North Salem.	* 1	Kindling fire.	Careless ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Four accused fined As. 8 each, in default simple imprisonment for three days.
	2	4	Intentional ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	One accused fined Rs. 20, in default thirty days' rigorous imprisonment; the other accused was acquitted.

* Pending case of 1904–1905.
† The result of the case pending at the close of 1904–1905 has not been reported by the Collector.
‡ The hollow of a tree was set fire to to catch a squirrel; the whole tree was burnt and the fire spread around.

Appendix to Form No. 50 (Statement No. II prescribed by the Government of India)—*cont.*

District.	Details of prosecutions for offences by fire.					
	Serial number.	Areas burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
South Canara.	1	20 acres.	Careless ..	Compounded for Rs. 5.	....	....
	2	3 ,,	Do. ..	Convicted ..	Section 21 of the Madras Forest Act.	Accused sentenced to three weeks' hard labour.
	3	13 logs.	Intentional ..	Do. ..	Do.	Fined Rs. 75.
	4	650 acres.	Careless ..	Do. ..	Do.	Fined ,, 60.
	5	20 ,,	Do. ..	Compounded for Rs. 5.	....	....
	6	3 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 15.
	7	150 ,,	Do. ..	Compounded for Rs. 20.	....	....
	8	50 ,,	Do. ..	Compounded for Rs. 25.	....	....
	9	$\frac{1}{4}$ acre.	Do. ..	Compounded for As. 8.	....	....
	10	45 acres.	Intentional ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Fined Rs. 10.
	11	2 ,,	Do. ..	Do. ..	Do.	Do. ,, 30.
	12	1 acre.	Careless ..	Pending ..	....	....
	13	20 acres.	Intentional ..	Do. ..	....	....
	14	10 ,,	Do. ..	Do. ..	....	....
	15	25 ,,	Careless ..	Do. ..	....	....
	16	25 ,,	Do. ..	Compounded for Rs. 25.	....	....
	17	12 ,,	Do. ..	Compounded for Rs. 12.	....	....
	18	12 ,,	Do. ..	Pending ..	....	....
	19	200 ,,	Do. ..	Do. ..	....	....
	20	10 ,,	Do. ..	Do. ..	....	....
	21	10 ,,	Do. ..	Do. ..	....	....
	22	250 ,,	Intentional ..	Do. ..	....	....
	23	13 ,,	Careless ..	Do. ..	....	....
	24	200 ,,	Do. ..	Do. ..	....	....
	25	75 ,,	Do. ..	Do. ..	....	....
	26	200 ,,	Do. ..	Do. ..	....	....
	27	5 ,,	Do. ..	Do. ..	....	....
	28	12 ,,	Do. ..	Do. ..	....	....
	29	280 ,,	Do. ..	Withdrawn ..	....	....
	30	350 ,,	Do. ..	Pending ..	....	....
	31	15 ,,	Do. ..	Compounded for Rs. 15.	....	....
	32	73 bamboos.	Intentional ..	Convicted ..	Section 426, Indian Penal Code.	Fined Rs. 6.
	33	*Nil.*	Do. ..	Do. ..	Section 21 (*b*) of the Forest Act.	Do. ,, 5.
	34	1 tree.	Do. ..	Do. ..	Rules 8 and 15 under section 26 of the Madras Forest Act.	Do. ,, 8.
	35	*Nil.*	Do. ..	Acquitted ..	....	....
	36	$\frac{1}{2}$ acre.	Do. ..	Pending ..	....	....
	37	2 acres.	Do. ..	Do. ..	....	....
	38	1 acre.	Do. ..	Do ..	....	....
	39	Burning of kumaki lands.	Do. ..	Withdrawn ..	....	....
	40					
North Malabar.	1	180 acres.	Careless ..	Acquitted ..	....	....
	2	700 ,,	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Sentenced to undergo rigorous imprisonment for two months.
	3	$\frac{1}{4}$ acre.	Do. ..	Pending ..	....	....
North Coimbatore.	1	50 acres.	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Four accused sentenced to three months rigorous imprisonment and to pay a compensation of Rs. 25.
	2	$10\frac{1}{4}$,, (rows 2–5)	Do. ..	Do. ..	Do.	Three accused to suffer three months' rigorous imprisonment.
	3		Do. ..	Do. ..	Do.	Twenty-six out of twenty eight accused to suffer rigorous imprisonment for 45 days and two to pay a fine of Rs. 7 and to suffer simple imprisonment for seven days.
	4		Do. ..	Do. ..	Do.	Four out of five accused to pay a fine of Rs. 20 or simple imprisonment for five weeks.
	5		Do. ..	Acquitted ..	....	....

Appendix to Form No. 50 (Statement No. II prescribed by the Government of India)—*cont.*

District.	Details of prosecutions for offences by fire.					
	Serial number.	Areas burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
North Coimbatore—*cont.*	6	801 acs.	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	First accused to suffer six months' rigorous imprisonment and to pay a fine of Rs. 20 and a compensation of Rs. 20. Second accused to pay a fine of Rs. 10, in default simple imprisonment for one month.
	7		Do. ..	Do. ..	Do.	First accused simple imprisonment for two months and two accused rigorous imprisonment for six months and each of the two accused to pay Rs. 10 as compensation.
	8	25 ,,	Do. ..	Do. ..	Do.	Rigorous imprisonment for three months.
	9		Do. ..	Do. ..	Do.	Each of the two accused to pay Rs. 5 as fine, in default simple imprisonment for one week.
South Coimbatore.	* 1	15 acres.	Careless ..	Withdrawn ..	....	....
	* 2	,,	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Each of the three accused to pay a fine of Rs. 15.
	3	½ acre.	Careless ..	Do. ..	Do.	One accused sentenced to a fine of Rs. 15.
Madura ..	* 1	Not known.	Intentional ..	Convicted ..	Do.	Do. do.
	2	Do.	Do. ..	Withdrawn ..	....	....
	3	50 acres.	Careless ..	Pending ..	....	....
Tinnevelly ..	1	30 ,,	Intentional ..	Do. ..	....	....

* Pending case of 1904-1905.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1905–1906.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
(b) Ganjám—Special protection—	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Mojjaguda	Dhimrijholi	1903	392	512	..	512	72	
	Rambha	1903	233	215	10	205	35	
	Kaliamba and extension	1904	900	70	2	68	5	
	Baiballi	1903	1,300	1,170	124	1,046	92	
	Darpangia and extension	1903	1,071	1,700	130	1,570	145	
	Gulleri	1901	3,512	4,389	36	4,353	396	
	Tihki	1903	1,589	1,486	7	1,479	56	
	Total, Mojjaguda	..	8,997	9,542	309	9,233	801	
Kukuluba	Jagannadhaprasad	1904	440	120	7	113	14	
	Chendragiri	1903	4,515	6,200	300	5,900	498	
	Kullada	1904	600	20	..	20	3	
	Brahmanasai	1901	2,797	2,800	550	2,250	228	
	Gogodo	1903	3,100	3,100	200	2,900	78	
	Ambazora	1903	2,000	2,000	120	1,880	77	
	Total, Kukuluba	..	13,452	14,240	1,177	13,063	898	
Buguda	Panchabhuti	1903	2,500	1,642	6	1,636	123	
	Kurcholi	1901	800	840	..	840	47	
	Kriamba	1903	8,000	5,455	45	5,410	172	
	Total, Buguda	..	11,300	7,937	51	7,886	342	
Suradá	Dowgam	1903	769	969	..	969	101	
	Dabuki	1903	1,450	1,385	..	1,385	57	
	Nandipodoro(Pippalaponka)	1903	2,270	3,270	321	2,949	110	
	Bondagocha	1904	238	238	..	238	22	
	Rogada	1903	2,045	2,044	257	1,787	135	
	Mundapetta	1903	1,717	1,717	80	1,637	133	
	Total, Suradá	..	8,489	9,623	658	8,965	548	
	Total, Ganjám, Special	..	42,238	41,342	2,195	39,147	2,589 + (a)224	
Vizagapatam—General protection.	Dharakonda	1901–1902	46,638	46,880	20,985	25,895	31	
	Senivaram	1901–1902	31,446	31,488	30,000	1,488	25	
	Sithakhandi	1901–1902	2,368	2,368	120	2,248	..	
	Arlova	1901–1902	4,318	4,162	..	4,162	5	
	Karaka reserve	1901–1902	8,989	9,469	589	8,880	} 30	
	Madalammakonda	1900–1901	3,600	3,600	..	3,600	}	
	Pedimikonda	1900–1901	3,311	3,311	..	3,311	..	
	Kodavatipudi	1900–1901	1,544	1,544	..	1,544	..	
	Kakarlakonda	1900–1901	1,924	1,924	..	1,924	..	
	Boddapalem	1900–1901	380	380	..	380	..	
	Venkatapuram	1900–1901	508	508	..	508	..	
	Sarugudu reserve Nos. 1 to 4	1900–1901	19,029	19,079	8,990	10,089	..	
	Peddapalli	1892	9,077	9,077	..	9,077	..	
	Kadagandi	1900–1901	11,064	11,064	208	10,856	106	
	Barnakonda	..	13,527	13,517	345	13,172	2	
	Antikonda	..	6,969	6,969	115	6,854	..	
	Palakonda	..	4,556	4,580	2,424	2,156	..	
	Chinnagora	..	2,381	2,383	223	2,160	..	
	Total, Vizagapatam, General	..	171,629	172,303	63,999	108,304	199	
Gódávari—General protection. Bhadráchalam range.	1. Dummagudem reserve.	1887	5,800	6,110	26	6,084	130	
	2. Arlagudem "	1888	6,063	6,136	..	6,136	218	
	3. Malkanapalli "	1905	3,645	3,658	30	3,628	46	
	4. Tunikicherwu "	1905	7,722	8,022	507	7,515	152	
	5. Bhadráchalam "	1905	10,852	10,860	4	10,856	145	
	6. Gogubaka "	1905	1,666	1,666	..	1,666	64	
	7. Komanapalli "	1905	3,034	3,250	274	2,976	74	
	Total, Bhadráchalam	..	38,782	39,702	841	38,861	829	

(a) Added as per Accountant-General's audited figures.

(b) The area shown as having been under general protection in the return for the previous year is omitted from this year's return; and the omission has not been explained.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-06. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—General protection—*cont.* Marrigudem range.	1. Bandrevu reserve ..	1904 ..	10,900	10,900	473	10,427	108	
	2. Gollaguppa ,, ..	1904 ..	7,788	8,000	77	7,923	160	
	3. Narakonda ,, ..	1904 ..	7,500	7,500	36	7,464	88	
	4. Pegha ,, ..	1904 ..	4,400	4,400	..	4,400	237	
	5. Uppanapalli ,, ..	1904 ..	3,300	3,300	257	3,043	72	
	6. Sitarampuram reserve.	1904 ..	3,000	3,000	..	3,000	74	
	7. Bandarugudem ,,	1904 ..	7,100	7,100	1,920	5,180	140	
	8. Burakankota ,,	1904 ..	1,498	1,500	..	1,500	92	
	9. Repaka ,,	1887 ..	7,000	7,000	..	7,000	212	
	10. Tatilanka ,,	1887 ..	11,962	12,000	1,056	10,944	134	
	11. Ramachandram ,,	1887 ..	10,298	10,300	..	10,300	298	
	Total, Marrigudem ..	..	74,746	75,000	3,819	71,181	1,615	
Rékapalle range.	1. Rékapalle hills reserve Marrigura, Nelakota, compartments Nos. I to X of Rékapalle hills reserve (working-plans area).	Compartment No. I, 1901. Compartment No. X, 1902. Compartment Nos. II to IX, 1903.	134,533	1,40,530	11,180	129,350	1,513	
	2. Pulusumamidi reserve.	1902 ..	4,520	4,520	450	4,070	108	
	3. Mattapalli ,,	1887 ..	9,492	9,500	230	9,270	263	
	4. Lakkavaram ,,	1905 ..	6,500	6,500	2,240	4,260	} 106	
	4-a. Do. extension.	1906 ..	..	495	..	495		
	5. Kansulur ,,	1905 ..	6,200	6,200	1,230	4,970	41	
	6. Kalleru ,,	1905 ..	5,500	5,500	2,500	3,000	30	
	7. Walsugri ,,	1905 ..	6,118	6,530	1,000	5,530	62	
	Total, Rékapalli ..	..	172,863	179,775	18,830	160,945	2,123	
	Total for the Sub-division.	..	286,391	294,477	23,490	270,987	4,567	
Rajahmundry range.	1. Lakkonda reserve.	1887 ..	13,104	13,104	6	13,098	96	
	2. Molleru ,,	1887 ..	8,250	8,250	15	8,235	48	
	3. Mallavaram ,,	1887 ..	7,600	7,600	13	7,587	48	
	4. Tirumalayapalem ,,	1887 ..	5,150	5,150	..	5,150	72	
	5. Soodikonda ,,	1887 ..	6,880	6,880	25	6,855	48	
	6. Murari ,,	1889 ..	700	700	..	700	24	
	7. Kogida ,,	1889 ..	1,280	1,280	..	1,280	24	
	8. Diwancheruvu ,,	1887 ..	2,051	2,051	..	2,051	48	
	Total, Rajahmundry ..	..	45,015	45,015	59	44,956	408	
Peddapur range.	1. Anantagiri reserve.	1905 ..	3,050	3,050	800	2,250	54	
	2 Ultimathule ,,	1905 ..	2,600	2,600	100	2,500	80	
	3. Banadapalli ,,	1905 ..	5,800	5,800	500	5,300	107	
	4. Rajavommangi ,,	1905 ..	7,961	7,961	500	7,461	150	
	5. Singampalli ,,	1905 ..	3,142	3,142	75	3,067	56	
	6. Jaddangi ,,	1905 ..	5,775	5,775	200	5,575	106	
	7. Ameenbadu ,,	1905 ..	4,480	4,480	840	3,640	85	
	8. Labbarty ,,	1905 ..	6,500	6,500	750	5,750	109	
	9. Doramamidi ,,	1905 ..	6,400	6,400	700	5,700	110	
	10. Veerabhadrapuram reserve.	1905 ..	10,300	10,300	900	9,400	186	
	11. Vatangi reserve.	1905 ..	8,840	8,840	800	8,040	208	
	12. Lododdi ,,	1905 ..	7,200	7,200	600	6,600	156	
	13. Pedagurrangi ,,	1905 ..	4,000	4,000	100	3,900	82	
	14. Annavaram ,,	1905 ..	8,500	8,500	500	8,000	138	
	15. Lingamparti ,,	1905 ..	6,500	6,500	20	6,480	79	
	16. Kotapalli ,,	1890 ..	2,150	2,150	..	2,150	33	
	Total, Peddapur ..	..	93,198	93,198	7,385	85,813	1,739	
Polavaram range.	1. Bedadavole reserve ..	1890 ..	14,988	15,000	1,004	13,996	168	
	2. Marlagudem ,, ..	1890 ..	2,099	2,100	..	2,100	100	
	3. Three reserves adjoining Hyderabad boundary.	1898 ..	4,968	4,968	..	4,968	60	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-06.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—General protection—*cont.* Pollavaram range—*cont.*	4. Kovvada reserve ..	1906 ..	..	17,799	1,650	16,149	72	
	5. Kopally ,, ..	1906 ..	..	14,924	2,600	12,324	61	
	6. Papikonda ,, ..	1906 ..	..	11,785	1,000	10,785	276	
	Total, Polavaram ..	..	22,055	66,576	6,254	60,322	737	
	Total for the Main division (General).	..	160,268	2,01,789	13,698	1,91,091	2,884	
	Total for the Sub-division (General).	..	2,86,391	2,94,477	23,490	2,70,987	4,567	
	Total, Gódávari (General).	..	4,46,659	4,99,266	37,188	4,62,078	7,451	
Kistna—Special protection—Bezwada range.	Kondapalli reserve ..	1884–85	345	1,470	..	1,470	159	
	Kothur reserve	1904–1905	370	370	..	370	} 32	
	Kothur reserve extension No. 2.	1904–1905	50	50	..	50		
	Dasullapalem reserve ..	1904–1905	50	100	..	100	8	
	Jangalapalli reserve ..	1904–1905	59	129	..	129	8	
	Velvadam reserve ..	1904–1905	50	100	..	100	8	
	Kondur reserve	1903–1904	200	310	..	310	10	
	Jaggayapeta reserve ..	1904–1905	50	50	..	50	4	
	Budavada reserve ..	1904–1905	69	69	..	69	8	
	Total, Bezwada ..	..	1,243	2,648	..	2,648	237	
Ellore range.	Yerraguntapalli reserve ..	1887–88	8,640	8,640	71	8,569	117	Three fires.
	Barrikonda reserve ..	1887–88	4,010	4,010	4	4,006	32	One fire.
	Bandamcherla reserve ..	1887–88	5,200	5,200	..	5,200	48	
	Total, Ellore ..	..	17,850	17,850	75	17,775	197	
	Total, Kistna (Special) ..	..	19,093	20,498	75	20,423	434	
General protection—Bezwada range.	Kondapalli	..	21,401	20,477	..	20,477	..	
	Total, Kistna (Special and General).	..	40,494	40,975	75	40,900	434	
Guntúr—Special protection.	Venkatayapalem reserve, Compartments I, II and III.	1894–95	15,528	15,588	1,508	14,080	62	
	Bollapalli reserve, Compartments I to VI.	1885–86	18,583	18,584	..	18,584	24	
	Coupes in Vinukonda range.	1903–1904	680	700	..	700	..	
	Gangalakunta reserve ..	1890–91	5,008	5,008	..	5,008	21	These two reserves were omitted to be shown in the last year's return as specially protected under a misapprehension.
	Paswemula reserve ..	1892–93	1,088	1,088	..	1,088	..	
	Copes in Palnad range ..	1905–1906	..	4,076	..	4,076	..	
	Mutukúr reserve ..	1905–1906	..	3,245	100	3,145	..	
	Coupes in Sattenapalle range.	1905–1906	..	552	..	552	..	
	Kondavid reserve ..	1905–1906	..	600	4	596	} 30	
	Tadepalli ,, ..	1905–1906	..	300	..	300		
	Total, Guntúr (Special) ..	..	40,887	49,741	1,612	48,129	137	
General protection.	Venkatayapalem reserve ..	..	24,978	24,978	552	24,426	..	
	Gangalakunta reserve ..	..	17,659	17,659	..	17,659	..	
	Paswemula reserve	..	18,375	18,375	..	18,375	..	
	Total, Guntúr (General) ..	..	61,012	61,012	552	60,460	..	
	Total, Guntúr (Special and General).	..	101,899	110,753	2,164	108,589	137	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-06. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Kurnool, East—Special protection.	These now form the Railway fuel working circle—							
	"A" block .. .	1889 ..	23,580	101,290 (whole of the Railway working circle).	3,694	97,596	8,492	
	South Chelama ..	1891 ..						
	Do. Addition ..	1894 ..						
	Digaametta ..	1891 ..						
	Jangambhavi ..	1891 ..						
	Chelama improvement felling block.	1895 ..						
	Gazulapalli Railway fuel felling coupe.	1902 ..						
	Chelama coupe ..	1902 ..						
	Palerdam coupe ..	1903 ..						
	Compartment No. III coupes.	1902 ..						
	Fire tracing Railway line around Chelama house.	..						
	Maddipenta	..	..	880	..	880	67	
	Kathulakonda block ..	..	..	12,560	100	12,460	656	
	Mantikonda block ..	..	..	500	30	470		
	Pedda Mantikonda ..	..	..	1,000	..	1,000	820	
	General protection.							
	Markapur reserve ..	..	..	..	..	..	10	
	Giddalur range	..	..	..	..	..	1	
	Total Kurnool East, special.	..	23,580	116,230	3,824	112,406	10,046 + (a) 30	
Kurnool, West—	North and South Bairluti blocks.	1887 ..	..	..	..	..	..	Not taken up during the year.
	Gummakonda block ..	1893 ..	..	..	..	..	..	
	Gadidemadugu reserve coupe.	1903 ..	325	433	..	433	23	Yerramalais.
	Waddeman reserve ..	1905 ..	..	120	..	120	17	
	Yaperlapad ,, ..	..	..	340	..	340	31	
	West Kamallakot reserve.	..	..	280	..	280	26	
	Lanjabanda reserve ..	..	..	394	..	394	28	
	Betamcherla ,, ..	..	..	922	..	922	21	
	North Dhone ,, ..	1903 ..	1,075	1,433	..	1,433	30	
	Kamalapuram ,, ..	1903 ..	141	188	..	188	14	
	South Dhone ,, ..	1904 ..	298	397	317	80	20	Nallamalais.
	Southern Mahratta Railway line along the North Dhone.	..	..	..	..	..	20	
	Mr. Wood's fire line in Nallamalais.	..	..	..	..	..	..	
	Velgode Range, 18 miles.	1904 ..	..	80,000	19,360	60,640	1,120	
	Part of Nandyal and Ernapad Reserve Terai portions.	1905 ..					1,246	
	Total, Kurnool West, special.	..	1,839	84,507	19,677	64,830	2,596 + (b) 22	
Bellary—								
Hospet ..	Ramandrug	1883 ..	6,793	8,887	119	8,768	1,092	
	North-east block ..	1883 ..	3,961	3,196	46	3,150		
	Donamalai	1883 ..	1,112	1,646	..	1,646		
	Tornagallu	1898-99 ..	50	50	..	50		
Adóni ..	Kupgal	1892-93 ..	462	497	1	496	91	
	Tungabhadra	1892-93 ..	75	75	..	75		
Bellary ..	Malapanagudi Yepi block.	1886-87 ..	1,066	1,066	..	1,066	37	
Kudligi ..	Sivapuram	1902-1903.	..	200	..	200	2	
	Kakuppi	1906 ..	..	60	..	60	8	
	Chiribi	1906 ..	..	150	..	150	2	
Harpanahalli.	Hyrada coupes	1899-1900.	..	2 000	..	2,000	30	
	Jettinacatta	1906 ..	..	1,250	..	1,250	35	
	Total, Bellary ..	..	13,519	19,077	166	18,911	1,297 + (a) 16	

(a) Added as per Accountant General's audited figures.

(b) Represents the cost of 5 iron drums.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Anantapur—Special protection.	1. Muchukota	1884 ..	10,000	10,000	..	10,000	194	
	2. Kothakota	1884 ..	8,976	11,016	1,696	9,320	279	
	3. Amagondapaliem ..	1884 ..	15,340	15,360	805	14,555	132	
	4. Nyalakota	1890 ..	12,141	12,156	110	12,046	183	
	5. Konappanayanipalli Working Circle, Narasampalli compartment I.	1905 ..	1,215	1,215	700	515	9	
	6. Penukonda Working Circle, Penukonda reserve compartment I.	1905 ..	1,700	1,700	10	1,690	14	
	7. Yerracherla Working Circle, compartment I.	1905 ..	411	411	..	411	19	
	8. Rallahalli Working Circle, Kekathi reserve compartment I.	1905 ..	626	626	..	626	24	
	9. Madakasira Working Circle, Madakasira north compartment I.	1906 ..	..	739	..	739	25	
	Total, Anantapur, Special.	..	50,409	53,223	3,321	49,902	879	
General protection.	1. Guttur (West)	1887 ..	3,480	3,880	800	3,080	14	
	Total, Anantapur, Special and General.	..	53,889	57,103	4,121	52,982	893	
	Total, Northern Circle, Special.	..	191,565	384,618	30,870	353,748	18,270	
	Total, Northern Circle, General.	..	704,181	756,938	102,539	654,399	7,664	
	Grand Total, Northern Circle Special and General.	..	895,746	1,141,556	133,409	1,008,147	25,934	
	Central Circle.							
Cuddapah (a) Special protection.	Settigunta	1871 ..	8,960	8,960	5	8,955		
	Chiyyavaram	1903 ..	7,747	7,747	2	7,745		
	Kodur Hill	1874 ..	13,995	13,995	343	13,652	231	
	Gottimanikona	1905 ..	5,569	5,569	1,260	4,309		
	Salivendla	1905 ..	17,599	17,599	1,210	16,389		
	Seshachellam	1867, 1873, 1905.	150,203	150,203	23,820	126,383	1,588	
Pullampet.	Tenukonda	1905 ..	1,048	1,048	..	1,048	..	
	Reddipalle	1905 ..	1,873	1,873	..	1,873	..	
	Vattaloor	1905 ..	2,880	2,880	..	2,880	..	
	Yerrakonda	1905 ..	8,292	8,292	..	8,292	..	
	Buduguntlapalle	1905 ..	4,674	4,674	3,140	1,534	..	
	Cheyyer	1905 ..	5,592	5,592	934	4,658	..	
	Patoor	1905 ..	3,495	3,495	3,495	..	..	
	Kannekalakonda	1905 ..	4,764	4,764	410	4,354	..	
	Chitvel	1905 ..	15,922	15,922	..	15,922	..	
Sidhout ..	Palakondas	1901—1905.	35,538	35,538	140	35,398	571	
	Cheyyer	1905 ..	588	588	100	488	..	
	Patoor	1905 ..	4,735	4,735	900	3,835	..	
	Kanakalakonda	1905 ..	2,373	2,373	600	1,773	..	
	Vontimitta	1905 ..	7,029	7,029	4	7,025	9	
	Konarazupalle	1905 ..	26,811	26,811	890	25,921	189	
	Kanamalapalle	1905 ..	7,895	7,895	5,921	1,974	..	
	Lankamalais coupe ..	1905 ..	1,353	1,353	..	1,353	217	
Badvel ..	Nallamalais coupe ..	1905 ..	160	160	80	80	71	
	Lankamalais coupe ..	1905 ..	40	40	..	40	23	
Proddatur ..	Nallamalais coupes ..	1905 ..	119	119	80	39	65	
Cuddapah ..	Lankamalais	1905 ..	1,150	1,150	..	1,150	151	
	Palakondas	1901—1905.	35,510	35,510	1,715	33,795	1,413	
	Ganganapalle	1905 ..	52,343	52,343	3,763	48,580	..	
	Idupulapaya	1905 ..	20,259	20,259	232	20,027	..	
	Redlacheruvoo	1905 ..	6,420	6,420	..	6,420	..	
Kadiri ..	Nigidi	1905 ..	29,957	29,957	800	29,157	170	
	Malakavemala	1905 ..	2,760	2,760	..	2,760	..	

(a) The variations between the figures entered in column 4 of the return for 1905-1906 and those entered in column 7 of the previous year's return are reported to be due to the adoption of revised figures.

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
	Central Circle—cont.							
Ráyachóti	Seshachellam	1905	30,819	30,819	3,878	26,941	558	
	Yerrakonda	1905	11,219	11,219	1,631	9,588	..	
	Gadikota	1905	21,345	21,345	3,048	18,297	..	
	Palakondas	1905	46,877	46,877	10,182	36,695	254	
	Idupalapaya	1905	14,984	14,984	953	14,031	..	
	Sibyala	1905	4,215	4,215	..	4,215	..	
	Tundupalle	1905	3,000	3,000	..	3,000	..	
	Palimerapalle	1905	1,702	1,702	..	1,702	..	
	Cheyyer	1905	3,400	3,400	..	3,400	..	
Vayalpad.	Horsleykonda	1905	21,739	21,739	210	21,529	144	
	Seshachellam	1890, 1903 1904–05	33,586	33,586	4	33,582	451	
	Bhakrapet	1905	10,600	10,600	..	10,600	..	
	Total, Cuddapah, Special.	..	691,139	691,139	69,750	621,389	6,105	
Nellore	Udayagiri Veligondas A and B blocks.	1883	59,962	60,000	54	59,946	490	
	Gundalakonda attached to Veligonda A in Udayagiri range.	1903	720	720	..	720		
	Udayagiri-Durgam hill and Korisakonda.	1902	15,760	15,760	..	15,760	47	
	Udayagiri-Yerrakondas in Udayagiri range.	1903	14,080	14,080	..	14,080	68	
	Rapur-Veligondas A and B blocks in Rapur range.	1883	30,718	30,720	268	30,452	412	
	Nandanavanam blocks and its extensions A and B and Vedullacheruvu or Kanigiri-Veligondas in Kanigiri range.	1883	26,780	26,780	..	26,780	294	
	Total, Nellore	..	148,020	148,060	322	147,738	1,306	
	Chingleput.							
Chingleput range.	Neyyore	1900–01	283	283	..	283	4	
	Karunguli	1900–01	16	16	..	16	..	
Tiruvallúr range.	Kambakkam	1883–84	15,879	15,879	50	15,829	460	
	Nagalapuram	1883–84	9,632	9,632	..	9,632		
	Total, Chingleput	..	25,810	25,810	50	25,760	464	
North Arcot. Special protection—Chittoor range.	Chittapara reserve	1888	4,276	4,276	..	4,276	10	
	Paradarami	1880	9,100	9,100	2	9,098	26	
	Pachigunta	1888	1,800	1,800	..	1,800	4	
	Irola A and B	1888	12,374	12,531	4,220	8,311	29	
	Irala extension	1893	Transferred to General protection.				..	
	Perappumalai	1899	2,227	2,227	..	2,227	5	
	Tavanampalle	1899	1,857	1,862	..	1,862	1	
	Puthalpet	1891	3,077	3,077	4	3,073	1	
	Dhamalcherla A and B	1892	2,368	2,368	..	2,368	6	
	Pudiputlabylu	1880	4,094	4,294	30	4,264	9	
	Kinatipalli A	1884	1,417	1,417	..	1,417	5	
	Chilapalle	1884	1,166	1,166	..	1,166	2	
	Basavapalle A and B	1888	Transferred to General protection.				..	
	Do. extension	1894	841	841	..	841	2	
	Veerisettepalle	1888	7,044	7,044	2	7,042	6	
	Chittoor reserve	1882	385	385	..	385	13	
	Panamadangi	1887	10,514	10,515	0	10,515	8	Transferred from Gudiyáttam range (Special protection).
	Kunjanur	1893	1,549	1,549	50	1,499	8	
	Total, Chittoor	..	64,089	64,452	4,308	60,144	135	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Chandragiri.	Napier reserve	1880	8,826	8,826	..	8,826	68	
	Mamandur extension	1888	10,291	10,291	50	10,241	19	
	Mamandur	1874	1,655	1,760	157	1,603	216	
	Tirupati hill	1888	18,482	18.554	2,700	15.854	84	
	Chamala	1880	18,487	19,142	275	18,867	87	
	Nagapatla	1890	18,500	18,912	300	18,612	47	
	Mungelpet	1890	27,744	27,744	580	27,164	6	
	Panapakam	1880	17,298	17,318	166	17,152	4	
	Tirupati extensions A and B.	1891	Transferred to general protection.				..	
	Total, Chandragiri	..	121,283	122,547	4,228	118,319	531	
Palmanér	Pednaigdrug	1880	13,915	14,419	1,025	13,394	35	
	Mordona	1884	9,113	9,200	520	8,680	6	
	Charagal	1888	6,159	6,719	20	6,699	17	
	Peddur	1880	16,326	16,526	282	16,244	71	
	Naickaneri	1880	6,840	6,840	630	6,210	45	
	Musalimadugu	1884	5,252	5,542	..	5,542	130	
	Palmanér	1892	6,145	6,298	..	6,298	68	
	Peddur extension	1902	9,274	9,394	115	9,279	23	
	Basavareddipalle	1884	5,430	5,492	..	5,492	20	Transferred from general protection.
	Nellipatta reserve	1895	7,132	7,134	20	7,114	47	
	Pathickonda	1893	5,190	5,191	6	5,185	2	
	Total, Palmanér	..	90,776	92,755	2,618	90,137	464	
Gudiyáttam.	Naickaneri reserve	1884	5,053	5,153	800	4,353	14	
	Mordana (Gudiyáttam portion).	1884	14,314	14,614	1,240	13,374	14	
	Amburdrug	1884	10,139	10,139	250	9,889	33	
	Mordana extension	1891	8,634	9,094	400	8,694	20	
	Gundlapalli	1894	7,354	7,354	..	7,354	7	
	Synagunta	1891	7,306	7,306	..	7,306	7	
	Chargal (Gudiyáttam portion).	1893	11,036	11,566	345	11,221	31	
	Karapet	1892	7,810	8,000	100	7,900	50	
	Naickaneri extension	1887	1,518	1,568	4	1,564	14	
	Paradarami do.	1889	Transferred to general protection.			..	..	
	Do. reserve	1903	4,302	4,302	5	4,297	9	
	Jangalapalli	1903	2,734	2,734	10	2,724	8	
	Pallalacuppam	1903	94	94	..	94	3	
	Kallapady	1894	Transferred to general protection.			..	..	
	Penamadangi	1894	Transferred to special protection			..	..	
	Kunjanur	1894	under Chittoor range.			..	..	
	Total, Gudiyáttam	..	80,294	81,924	3,154	78,770	210	
Vellore, West.	Arasampat reserve	1887	30,509 *	30,714*	578	30,136	125	* Includes 12,824 acres transferred from Polur range (general protection).
	Ambur fuel	1879	5,088	5,453	912	4,541	45	
	Vellakal	1889	4,827	5,036	1,109	3,927	29	
	Ambur	1887	26,888	27,878	1,831	26,047	117	
	Athiyur	1889	4,760	4,800	125	4,675	24	
	Palamadi	1880	Transferred to Vellore East range special protection.			..	..	
	Thellai	1891	1,315	1,330	..	1,330	26	
	Karuthamalai	1882	20,486	20,487	45	20,442	44	
	Kylasagiri	1892	2,534	2,535	240	2,295	57	
	Kaniyambadi	1892	Transferred to Vellore East range			..	..	
	Banavaram	1880	special protection.			..	..	
	Punganur	1884	Do.			..	..	
	Ammur	1884	Do.			..	..	
	Sanankuppam reserve	1893	13,843	13,843	1,240	12,603	6	
	Nellimalai	1892	2,797	2,797	..	2,797	5	
	Appukal	1892	776	800	40	760	4	
	Total, Vellore, West	..	113,823	115,673	6,120	109,553	482	
Vellore, East.	Palamady reserve	1880	7,700	8,160	1,672	6,488	92	
	Kaniyambasi	1892	5,097	5,472	370	5,102	4	
	Banavaram	1880	1,019	1,021	1	1,020	2	
	Punganur	1884	12,624	13,498	5,650	7,848	48	
	Amur	1884	5,139	5,139	400	4,739	2	
	Total, Vellore, East	..	31,579	33,290	8,093	25,197	148	

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Pólúr	Karnatighur	1881 ..	7,270	7,271	430	6,841	105	
	Malayalam	1887 ..	27,635	28,614	730	27,884	97	
	Mulacad	1890 ..	15,184	15,744	459	15,285	104	
	Santavasal	1890 ..	9,498	9,670	364	9,306	38	
	Periamalai	1892 ..	6,552	6,970	2	6,968	35	
	Parvadamalai	1892 ..	5,349	5,779	45	5,734	17	
	Thellai	1891 ..	14,821	14,862	25	14,837	20	
	Vellimalai	1893 ..	903	2,003	50	1,953	10	
	Veerappanur	1886 ..	31,469	31,469	81	31,388	40	
	Kelur	1884	2,973	2,989	..	2,989	3	
	Total, Pólúr ..	..	121,654	125,371	2,186	123,185	469	
	ABSTRACT.							
	Chittoor	.. ..	64,089	64,452	4,308	60,144	135	
	Chendragiri ..	.. ..	121,283	122,547	4,228	118,319	531	
	Palmanér	.. ..	90,776	92,755	2,618	90,137	464	
	Gudiyáttam ..	.. ..	80,294	81,924	3,154	78,770	210	
	Vellore West ..	.. ..	113,823	115,673	6,120	109,553	482	
	Vellore East ..	.. ..	31,579	33,290	8,093	25,197	148	
	Polur	.. ..	121,654	125,371	2,186	123,185	469	
	Total North Arcot, Special ..		623,498	636,012	30,707	605,305	2,439	
North Arcot—General protection. Chittoor	Irala extension reserve ..	1893 ..	2,630	2,650	..	2,650	..	Transferred from special protection.
	Basavapalle A and B ..	1888 ..	1,776	1,784	..	1,784		
	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Bommasamudram A and B.	1891 ..	1,128	1,128	4	1,124	..	
	Vavilthotta	1891 ..	2,107	2,107	..	2,107	..	
	Bommasamudram extn. ..	1892 ..	1,312	1,312	..	1,312	..	
	Kinatipalle ,,	1893 ..	994	994	..	994	..	
	Reddigunta reserve ..	1893 ..	1,441	1,441	..	1,441	..	
	Chases hill	1893 ..	2,692	2,692	..	2,692	..	
	Santhapet extension A, B & C.	1893 ..	483	483	..	483	..	
	Mahimandalam	1888 ..	2,527	2,528	..	2,528	..	
	Kinatipalli extension B ..	1893 ..	25	25	..	25	..	
	Bommanaickanpalyaam reserve.	1894 ..	913	912	10	902	..	Transferred from Gudiyáttam range (general protection).
	Total, Chittoor ..	..	20,176	20,204	14	20,190	..	
Chendragiri.	Sanambatla reserve ..	1892 ..	5,139	5,139	60	5,079		
	Pakala A and B	1894 ..	2,035	2,035	..	2,035	..	
	Napier extension	1900 ..	26	25	..	25	..	
	Penumur	1893 ..	1,350	1,350	..	1,350	..	
	Panapakkam	1892 ..	9,071	9,082	125	8,957	..	
	Chendragiri hill	1892 ..	1,293	1,293	..	1,293	..	
	Penumur extension A & B.	1893 ..	3,123	3,123	..	3,123	..	
	Penumur extension (Chittoor portion).	1891 ..	1,082	1,082	..	1,082	..	
	Tirupati extensions A & B.	1891 ..	6,298	6,298	..	6,298	..	Transferred from special protection
	Total, Chendragiri ..	..	29,417	29,427	185	29,242	..	
Palmanér	Melmoye	1884 ..	1,568	1,568	..	1,568	..	
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875	..	
	Basuvareddipalli reserve.	1884 ..	Transferred to special protection.				..	
	Pattikonda	1893 ..	Do.	do.			..	
	Basuvareddipalli extension A.	1895 ..	1,929	2,169	..	2,169	..	
	Do. B ..	1895 ..	5,792	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	Transferred to special protection.				..	
	Virlabunda	1895 ..	2,566	2,570	..	2,570	..	
	Thotakanama	1895 ..	4,640	4,710	..	4,710	..	
	Peddur extension	1902 ..	Transferred to special protection.				..	
	Total, Palmanér ..	..	20,399	20,713	..	20,713	..	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

Range.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–06. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS. A. P.	
Gudiyáttam.	Pallalacuppam reserve ..	1892 ..	6,649	6,729	..	6,729	..	
	Do. extensions A & B.	1893 ..	5,883	5,883	..	5,883	..	
	Bommanaickenpaliam ..	1894 ..	Transferred to general protection (Chittoor range).					
	Kempasamudram A & B ..	1893 ..	1,384	1,414	25	1,389	..	
	Synagunta extensions A & B.	1892 ..	2,496	2,496	..	2,496	..	
	Gundlapalli extension ..	1894 ..	928	928	..	928	..	Transferred from special protection.
	Paradarami do. ..	1889 ..	1,888	1,888	..	1,888	..	
	Kallapady reserve ..	1894 ..	6,945	6,945	..	6,945	..	
	Total, Gudiyáttam ..	..	26,173	26,283	25	26,258	..	
Vellore West.	Vellore reserve	1892 ..	Transferred to general protection of Vellore East range.					
	Palliconda	,, ..	3,898	3,898	274	3,624	..	
	Sellimalai	,, ..	Transferred to special protection.			..	..	
	Parvamalai	,, ..	7,078	7,078	..	7,078	..	
	Ammanur	1880 ..	Transferred to Vellore East (general protection).					
	Appukal	1892 ..	Do. special protection.					
	Sanancuppam ..	1893 ..	Do. do.					
	Vannivedu plantation ..	1880 ..	37	39	..	39	..	
	Total, Vellore West ..	..	11,013	11,015	274	10,741	..	
Vellore East.	Vellore reserve	1892 ..	2,413	2,413	370	2,043	..	
	Ammanur	1880 ..	203	203	..	203	..	
	Brahmanakatchery ..	1884 ..	561	561	..	561	..	Transferred from Polur range general protection.
	Kodiyalam..	,, ..	243	243	..	243	..	
	Badur	,, ..	835	835	..	835	..	
	Vengunam	,, ..	1,283	1,288	..	1,288	..	
	Nambedu	,, ..	947	947	..	947	..	
	Vishamangalam	,, ..	1,148	1,148	..	1,148	..	
	Ponnur	,, ..	1,656	1,656	..	1,656	..	
	Nedungal	,, ..	2,298	2,298	..	2,298	..	
	Nambedu extensions A, B & C.	1895 ..	397	397	..	397	..	
	Nedungunam reserve ..	1884 ..	1,635	1,637	..	1,637	..	
	Total, Vellore East ..	..	13,619	13,626	370	13,256	..	
Polur (*a*) ..	Pathur reserve	1879 ..	18,458	18,458	..	18,458	..	
	Arasambut reserve ..	1884 ..	Transferred to Vellore west range (special protection).					
	Patrakad	1881 ..	24,964	25,254	130	25,124	..	
	Kappalur	1884 ..	1,504	1,504	..	1,504	..	
	Alialamangalam	1884 ..	10,015	10,027	..	10,027	..	
	Santavasal extensions A & B.	1882 ..	331	331	..	331	..	
	Total, Polur ..	..	55,272	55,574	130	55,444	..	
	Abstract.							
	Chittoor		20,176	20,204	14	20,190	..	
	Chandragiri		29,417	29,427	185	29,242	..	
	Palmanér		20,399	20,713	..	20,713	..	
	Gudiyáttam		26,173	26,283	25	26,258	..	
	Vellore west		11,013	11,015	274	10,741	..	
	Do. east		13.619	13,626	370	13,256	..	
	Polur		55,272	55,574	130	55,444	..	
	Total ..		176,069	176,842	998	175,844	..	
	Total, N. Arcot, Special protection ..		623,498	636,012	30,707	605,305	2,439	
	Total, Do. General protection ..		176,069	176,842	998	175,844	..	
	Total, N. Arcot, Special and General (*b*).		799,567	812,854	31,705	781,149	2,439	

(*a*) The remaining 10 items entered in the annual return for 1904–1905 have been transferred to Vellore East range (general protection) during the year under report.

(*b*) The variation between figures of column 7 of Form No. 51 of last year and column 4 of this statement is due to transfers from general to special protection and *vice versâ*.

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot. (a) Tiruvanná-malai range.	Annamalai Range Forest.	1878 ..	1,672	* 1,727	3	1,724	231	
	Kanuthi	1878 ..	6,708	* 6,978	10	6,968	207	
	Tennalai	1877 ..	25,424	31,705	1,687	30,019		
	Nallapattu	1889 ..	5,094	5,094	..	5,094		
	Pelamarathur	1889 ..	5,075	5,075	..	5,075	607	* Revised figure according to the working-plan which is based on the areas computed by the Survey of India and locally.
	Paramanandul	1895 ..	1,517	1,517	280	1,237		
	Mudanai	1898 ..	7,040	* 7,042	..	7,042		
	Valasamalai	1883–84 ..	7,586	* 7,626	..	7,626	260	
	Nathampalli	1889 ..	5,188	* 5,188	..	5,188	255	
	Perungalathur .. / Sinammalai ..	1883–84 ..	5,478	* 6,056	..	6,056	151	
	Chinnasamudram ..	1900 ..	2,797	2,842	..	2,842	38	
	Damarakadu	1900	3,266	3,764	..	3,764	163	
Kallakurchi.	Tagarai	1883-84 ..	11,163	* 11,163	..	11,163	221	
	Parikan	1906 ..	..	1,254	..	1,254	59	
	Total South Arcot ..		88,008	97,032	1,980	95,052	2,192	
North Salem Division—Special protection. Tiruppattúr range.	Singarapet	1881 ..	739	592	..	592	37	
	Total, Tiruppattúr range.	..	739	592	..	592	37	
Hosúr range.	Melagiri	1885 ..	5,454	5,461	3	5,458	44	
	Kanavoi Kottapalli ..	1885 ..	742	742	560	182	21	
	Gulhatti	1885 ..	3,248	3,248	..	3,248	38	
	Manchi	1885 ..	..	3,305	50	3,255	170	
	Kanavanagasandiram ..	1885 ..	414	415	..	416	8	
	Total, Hosúr range ..	..	9,858	13,172	613	12,559	281	
	Total, North Salem, Special Protection.	..	10,597	13,764	613	13,151	318	
General protection. Tiruppattúr range.	Alangayam	1891 ..	1,302	1,302	..	1,302	37	
	Narasingapuram	1893 ..	310	310	..	310	..	
	Kalarapatti	1895	728	728	..	728	19	
	Pungulam coupes.. ..	1895–96 ..	1,366	1,366	..	1,366	50	
	Andiyappanur	1894 ..	1,326	1,326	..	1,326	50	
	Govindapuram	1895 ..	369	351	..	351	6	
	Kottur (Yelagiris) ..	1895 ..	1,225	1,225	..	1,225	..	
	Onnakarai	1897 ..	..	..	..	..	* 15	
	Kallavi	..	1,858	1,858	..	1,858	20	
	Kothur block	1883 ..	1,200	..	..	..	* 24	
	Naralacota	1893 ..	1,452	1,482	..	1,482	59	
	Maharajagadai	1896 ..	1,361	1,466	4	1,462	62	
	Mangalam	1901–02 ..	981	981	..	981	16	
	Elavambadi	1902–03 ..	1,894	1,894	..	1,894	11	
	Mambakkam	1904–05 ..	118	402	1	401	5	
	Varatanapalli	1905-06 ..	..	690	..	690	23	* These amounts were charged during the current year for fire-tracing work done during last year.
	Nandibunda	1904–05 ..	..	496	..	496	22	
	Burgur	1905–06 ..	..	492	..	492	22	
	Nagaluthu coupe V ..	1904–05 ..	96	186	..	186	3	
	Jolarpet coupe 1	1904–05 ..	62	125	..	125	..	
	Inner Javadis	1905–06 ..	..	..	..	..	* 10	
	Total, Tiruppattúr range.	..	15,648	16,680	5	16,675	454	
Dharmapuri range.	Thorpoor coupes 1 & 2 ..	1904–05 ..	200	420	200	220	12	
	Woddapatti	1905–06 ..	..	160	..	160	9	
	Total, Dharmapuri ..	..	200	580	200	380	21	
Hosúr range.	Jowlagiri	1900 ..	4,590	5,145	25	5,120	92	
	Noganur coupe	1900 ..	338	338	..	338	12	
	Total, Hosur ..	..	4,928	5,483	25	5,458	104	
	Total, North Salem General Protection.	..	20,776	22,743	230	22,513	579	
	Total, North Salem, General and Special Protection.	..	31,373	36,507	843	35,664	897	

(a) The variations between the figures entered in column 7 of Form No. 51 of last year and those in column 4 of this statemens has not been explained.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Salem Division(*a*)—Special protection. Salem East range.	Shevaroys South Working Circle, new coupes 2—6.	1902 ..	2,451	2,323	664	1,659	127	
	Pannikaradu ..	1882 ..	1,929	..	..	..	..	
	Kurumbapatti old coupes 1—25.	1897 ..	4,000	..	..	..	..	
	Nagaramalai	1901 ..	684	284	..	284	22	
	Shevaroys East Working Circle, new coupes 1—5	1902 ..	1,900	2,359	236	2,123	66	
	Kapputhu old coupes ..	1897 ..	1,135	..	..	..	..	
	Godumalai old coupes 1—24.	1897 ..	2,100	2,100	..	2,100	60	
	Godumalai new coupes 1—2	1905 ..	220	476	..	476		
	Jalluthu coupes 1—2 ..	1905 ..	192	384	..	384	39	
	Pudupatti coupe 1—2 ..	1905 ..	252	312	..	312	34	
	Vellalagundam coupe 1 ..	1905 ..	184	184	..	184	..	
	Mallur coupe 1 ..	1906 ..	..	112	..	112	42	
	Bodamalai coupe 1 ..	1906 ..	..	80	..	80		
	Thirumanur coupe 1 ..	1906 ..	..	144	..	144	..	
	Kurichi coupe 1	1906 ..	..	128	..	128	28	
	Kuthimaduvu coupe 1 ..	1906 ..	..	120	..	120	28	
	Total, Salem East range ..	..	15,047	9,006	900	8,106	446	
Salem West range.	Vadugampatti specially protected block.	1881 ..	1,976	..	..	..	..	
	Morur specially protected block	1881 ..	799	..	..	..	..	
	Ammaneri specially protected block.	1882 ..	252	.	..	.	..	
	Pilapalli Kombai specially protected block.	1882 ..	981	..	..	..	..	
	Shevaroys West Working Circle coupes 1—5.	1900 ..	1,502	1,502	90	1,412	75	
	Kanjeri specially protected block.	1882 ..	1,929	..	..	..	..	
	Shevaroys Central Working Circle including Sanyasimalai plantations.	1904 ..	480	653	91	562	91	
	Vanavasi Working Circle coupes 1—2.	1904 ..	294	294	.	294	37	
	Konur coupes 1—2 ..	1904 ..	373	373	..	373		
	Suriamalai coupes 1—3 ..	1904 ..	524	804	..	804		
	Lokur Working Circle Manakondamalai coupes 1—3.	1904 ..	1,398	1,398	..	1,398	34	
	Karuvattuparai specially protected block.	1883 ..	837	..	..	.	..	
	Total, Salem West range ..	..	11,345	5,024	181	4,843	237	
Atúr range.	Pattimedu old coupe ..	1902 ..	20	..	..	.	..	
	Do. new coupes 1—2.	1904 ..	125	258	..	258	..	
	Pannamadal new coupe ..	1902 ..	50	..	..	..	..	
	Do. old coupe ..	1902 ..	60	..	..	..	..	
	Nagalur old coupe .	1882 ..	60	..	..	..	..	
	Do. new coupe ..	1905 ..	138	138	..	138	10	
	Jadayagoundan coupe 1 ..	1905 ..	264	264	.	264	12	
	Mannur old coupes ..	1902 ..	136	..	..	..	..	
	Do. new coupe ..	1905-06 ..	..	165	..	165	5	
	Thumbal coupe 1 .. .	1906 ..	..	133	..	133	8	
	Movar coupe 1	1905 ..	171	171	..	171	..	
	Varagur coupe 1	1906 ..	..	435	..	435	..	
	Gengavalli coupe 1 ..	1905 ..	320	320	..	320	..	
	Total, Atúr, Range ..	..	1,344	1,884	..	1,884	35	

(*a*) The variation between the figures entered in column 7 of the return for 1904-1905 and those in column 4 of this statement has not been explained.

Area of Forest Tracta protected from Fire during 1905-1606—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
South Salem division—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Námakkal range.	Jambuthu coupes old and new.	1904-05 ..	* 308	408	..	408	22	* Included in the previous year's return under ordinary protection.
Harur North range.	Harur specially protected block.	1882 ..	1,029	1,029	..	1,029	73	
	Chitteri North Working Circle, coupes—							
	A series	1904 ..	1,355	451	..	451	50	
	B ,, ...	1902 ..	1,351	1,351	..	1,351	164	
	Harur Working Circle coupes—							
	A series	1904 ..	595	743	51	692	63	
	B ,, ...	1904 ..	405	510	1	509	44	
	C ,, ...	1904 ..	207	259	80	179	3	
	D ,, ...	1902 ..	431	431	3	428	29	
	E ,, ...	1902 ..	218	282	..	282	72	
	Ponniar Working Circle coupes.	1902 .	721	721	..	721	98	
	Total, Harur North Range.	..	6,312	5,777	135	5,642	596	
Harur South range.	Mallapuram	1882 ..	606	606	..	606	64	
	Shevaroys North Working Circle coupes 1—5.	1902 ..	2,413	3,119	..	3,119	108	
	Kouramalai Working Circle coupes 1—5.	1902 ..	1,641	2,051	..	2,051	94	
	Chitteri South-West Working Circle coupes 1—5.	1902 ..	1,807	2,258	..	2,258	78	
	Kouramalai old coupes ..	1898 ..	609	..	..	..	..	
	Kuriappa kombai specially protected block.	1897 ..	181	181	..	181	48	
	Mookanur specially protective block.	1901 ..	..	960	..	960	54	
	Total, Harur, South range.	..	7,257	9,175	..	9,175	446	
	Total South Salem, Special protection.	..	41,613	31,274	1,216	30,058	1,782	
General protection—Atur range.	Nagalur reserve ..	1905 ..	7,640	7,700	2,000	5,700	75	
	Mannur do. ..	..	9,158	9,239	..	9,239	31	
	Gangavalli do. ..	..	7,579	7,579	..	7,579	..	
	Total, South Salem, General.	..	24,377	24,518	2,000	22,518	106	
Trichinopoly, General protection	Total, South Salem, Special and General.	..	65,990	55,792	3,216	52,576	1,888	
Musiri range	Sengattupatti	1885-86 ..	3,000	4.192	31	4,161	..	
	Manmalai	1887-88 ..	6,000	7,686	..	7,686	..	
	T. Kanapadi	1887-88 ..	11,980	4,723	103	4,620	..	
	Karuppan Kadu Thittu ..	1887-88 ..	2,000	320	..	320	..	
	Mélúr	1885-86 ..	3,000	1,107	.	1,107	..	
	V. Kanapadi	1887-88 ..	9,998	3,795	..	3,795	..	
	Palamalai	1888-89 ..	10,000	6,624	..	6,624	..	
	Kaliammankoil Thittu ..	1889-90 ..	1,500	512	..	512	..	
	Kanapadi Kannimar sholai.	1889-90 ..	2,560	345	..	345	..	
	Total, Musiri range ..	..	50,038	29,304	134	29,170	..	
Perambalur range.	Manalodai	1835-86 ..	5,000	3,059	..	3,059	..	
	Sholamathi .. :	1885-86 ..	6,000	3,584	..	3,584	..	
	Selaiyur	1889-90 ..	1,600	282	..	282	..	
	Palayur	1890-91 ..	9,993	3,443	..	3,443	..	
	Sengathur	1890-91 ..	10,000	1,325	..	1,325	..	
	Valayur	1900-01 ..	1,654	2,064	..	2,064	..	
	Arasadi Arivithi ..	1900-01 ..	3,541	3,546	..	3,546	..	* The amount is paid to Malayalees on the Pachamalais with whom agreements have been entered into for keeping the lines clear and preserve the forests from fire.
	Pulambadi No. I .. .	1900-01 ..	2,494	2,506	..	2,506	..	
	Total, Perambalur range.	..	40,282	19,809	..	19,809	..	
	Total, Trichinopoly ..	..	90,320	49,113	134	48,979	* 146	
	Total Central Circle, Special.	..	1,454,855	1,469,221	104,266	1,364,955	12,836	
	Total,, Central Circle, General.	..	485,372	447,086	3,734	443,352	2,601	
	Grand Total Central Circle.	..	1,940,227	1,916,307	108,000	1,808,307	15,437	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
South Canara—Special protection. Coondapoor range.	Sarpanamane and Savantagudde.	1886–87 ..	1,390	1,390	..	1,390	10	
	Honnukodlu	1894–95 ..	576	576	..	576	43	
	Herur	1893–94 ..	2,875	2,880	..	2,880	117	
	Talaburave	1895–96 ..	610	610	..	610	22	
	Chittur	..	2,205	2,234	..	2,234	10	
	Kadike	..	2,796	2,800	2	2,798	22	
	Karnigadde	..	1,100	1,100	..	1,100	37	
	Gundaberru and Korakoppa.	1904–05 ..	393	522	..	522	42 (Gundaberru and Korakoppa, Guruvankote)	
	Guruvankote	1905–06 ..	..	216	..	216		
	Total, Coondapoor ..	..	11,945	12,328	2	12,326	303	
Udipi range.	Chinkramale and extension	1885–86 ..	3,534	3,554	45	3,509	46	
	Tenkahole ..	1886–87 ..	1,958	2,038	..	2,038	37	
	Mavinakodlu	1895–96 ..	1,619	1,627	..	1,627	40	
	Someshwar timber coupes.	..	444	743	..	743	115	
	Jatkatmale	1897–98 ..	1,020	1,386	506	880	35	
	Durgamale	..	1,599	1,601	10	1,591	30	
	Total, Udipi ..	..	10,174	10,949	561	10,388	303	
Mangalore range.	Mujimale	1894–95 ..	3,188	3,200	8	3,192	35	
	Todar	1899–00 ..	545	552	..	552	30	
	Hosabettu	..	322	376	..	376	32	
	Naninjemale	1897–98 ..	786	836	300	536	25	
	Panamberi	1902–03 ..	616	640	41	599	36	
	Hurabe	1903–04 ..	543	555	60	495	35	
	Kodiamale	..	1,142	1,169	2	1,167	44	
	Total, Mangalore ..	..	7,142	7,328	411	6,917	237	
Uppinangadi range.	Dharmastala	1887–88 ..	3,772	4,992	239	4,753	81	
	Porkala	1902–03 ..	4,477	4,563	2	4,561	39	
	Mujur	1901–02 ..	9,682	10,157	15	10,142	101	
	Miyar	..	15,030	17,530	1,208	16,322	63	
	Kombar	..	137	1,817	20	1,797	49	
	Kidu	..	6,313	6,413	869	5,544	40	
	Konaje	..	6,080	6,630	567	6,063	57	
	Padnur	1902–03 ..	3,005	3,155	259	2,896	40	
	Kuntur	..	3,909	3,942	507	3,435	43	
	Nerankimale	..	3,379	3,898	91	3,807	40	
	Nidle	..	1,560	2,560	317	2,243	40	
	Shibaje	..	2,836	3,456	158	3,298	30	
	Kadimbilla	..	1,349	1,849	23	1,826	27	
	Porkala Coupes I and II.	1904–05 ..	..	1,997	40	1,957	36	
	Totál, Uppinangadi ..	..	61,529	72,959	4,315	68,644	686	
Puttur range.	Parappa	1896–97 ..	640	2,560	6	2,554	79	
	Kanakamajalu	1899–00 ..	..	2,249	6	2,243	73	
	Pumale	1897–98 ..	3,752	..	..	..	..	
	Muliyar	1903–04 ..	1,716	2,116	7	2,109	74	
	Jalsur felled area ..	1900–01 ..	1,500	..	..	..	..	
	Kilarmale cardamom plantation.	1901–02 ..	31	100	..	100	25	
	Total Puttur ..	..	7,639	7,025	19	7,006	251	Transferred from the general protection.
	Total, South Canara, Special.	..	98,429	110,589	5,308	105,281	1,780	

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General protection. Coondapoor range.	Sabladi	1884-85 ..	208	208	2	206	*..	* Payments not made.
	Kasanakatte	1893-94 ..	250	254	..	254	15	
	Harkur	..	856	856	..	856	18	
	Darlegudde	..	192	192	..	192	8	
	Mudaregudde	..	448	448	..	448	15	
	Abbigudde	1897-98 ..	1,408	1,408	..	1,408	34	
	Baindur	..	5,969	6,069	..	6,069	18	
	Bakudi	1905-06 ..	..	106	..	106	9	
	Total, Coondapoor range.	..	9,331	9,541	2	9,539	117	
Udipi range.	Pilarkan	1883-84 ..	300	300	..	300	..	
	Manaje	1886-87 ..	422	422	..	422	11	
	Jarvathu	1894-95 ..	368	418	10	408	6	
	Hale Someshwar	1895-96 ..	1,844	1,894	68	1,826	10	
	Mensinakana	1896-97 ..	1,008	1,008	..	1,008	6	
	Matkalgudde	1897-98 ..	251	251	..	251	4	
	Total, Udipi range ..	..	4,193	4,293	78	4,215	37	
Uppinangadi range.	Shiradi extension ..	1902-03 ..	281	281	80	201	2	
Puttur range.	Virakambha	1897-98 ..	1,613	1,683	165	1,518	26	
	Kalanjimale	1898-99 ..	2,949	3,049	174	2,875	32	
	Total, Puttur range ..	..	4,562	4,732	339	4,393	58	
	Total, South Canara, General.	..	18,367	18,847	499	18,348	214	
	Total, South Canara, Special and General.	..	116,796	129,436	5,807	123,629	1,994	
	Add payments made for fire tracing cart camping places					RS. 17	49	
	Add payments of last year (1904-05) made during the current year					32	2,043	
	Deduct—Cash recoveries made during the year						8	
						Total ..	2,035	
North Malabar.	Begur reserve	1882-83 ..	14,116	15,366	236	15,130	1,264	
	Kuthirakotta reserve	1905-06 ..	*Nil.* ..	3,750	700	3,050		
	Kurichyat	1887-88 ..	56,052	18,054	230	17,824	1,729	
	Kuppadi	Do. ..		7,337	*Nil.* ..	7,337		
	Rampur	Do. ..		18,854	15,000	3,854		
	Mavanhalla and ponkuli.	Do. ..		12,736	470	12,266		
	Kanoth plantations	1894-95 ..	380	380	..	380	86	
	Total, North Malabar ..	..	70,548	76,477	16,636	59,841	3,079 +(*a*) 440	
South Malabar—Special protection. Nilambúr range.	Amarampalam reserve	1860-61 ..	468	468	..	468	53	
	Chathamborai do.	1872-73 ..	624	624	..	624	169	
	Teak plantations	1842-43 ..	3,509	3,516	..	3,516	588	
	Edacode natural forests (including Vellachipally).	1898-99 ..	(*b*) 3,263	3,263	..	3,263	198	
	Pokote natural forests	1904-05 ..	525	525	..	525	84	
	Arimbrakuthmalai	1899-1900.	322	322	..	322	48	
	Total, Nilambúr ..	..	(*b*) 8,711	8,718	..	8,718	1,140	
Amarampalam range.	Karimpoya reserve ..	1884-85 ..	3,945	3,955	..	3,955	317	
	Nellikutha do. ..	1883-84 ..	1,824	1,824	..	1,824	134	
	New Amarampalam do. ..	1889-90 ..	75,000	75,000	..	75,000	235	
	Kariem, Muriem forests ..	1901-1902.	2,716	2,716	..	2,716	204	
	Total, Amarampalam ..	..	83,485	83,495	..	83,495	890	
Mannarghat range.	Panakadan reserve ..	1905-06 ..	(*c*) ..	1,104	..	1,104	120	
	Total, South Malabar, Special protection.	..	(*c*) 92,196	93,317	..	93,317	2,150 + (*d*) 32	

(*a*) Added as per Accountant-General's audited figures.

(*b*) The total area of Vellachipally block is 798 acres but only 398 acres were shown as protected by Range officer although the whole area was protected from fire during 1904-05 and 1905-06.

(*c*) Excludes areas of blocks transferred to South Coimbatore division.

(*d*) Represents amount spent towards the pay, etc., of fire patrols in respect of Chenat Nai and two other reserves transferred to the South Coimbatore division during the year.

Area of Forest Tracts protected from Fire during 1905-1906—*cont*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Mudumalai teak plantations.	1883 ..	25	25	..	25		
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25	857	
	Margadi blocks Nos. II and III.	1888 ..	2,781	2,781	305	2,476		
	Margadi blocks No. IV V.	1898 ..	2,586	2,686	..	2,686		
	Moyar reserve forest (east).	1886 ..	3,990	4,000	1,280	2,720		
	Northern Haynad moyar plantations.	1883 ..	22	22	15	7		
	Sandalwood tracts in Sigur reserve forest.	1899 ..	600	600	..	600	534	
	Moyar west	1904 ..	8,976	8,976	..	8,976		
	Chemmanguli		25	25	..	25		
	Aranakal		9	9	..	9		
	Governor's Shola No. I ..		25	25	..	25		
	Do. No. II ..		30	30	..	30		
	Andi		17	17	..	17		
	Upatti		12	12	..	12		
	Sheffield		25	25	..	25		
The Nilgiris—Special protection.	Cully	1883 ..	17	17	..	17	238	
	Chowghat Cully		26	26	..	26		
	Madanad		8	8	..	8		
	Baikie		50	50	..	50		
	Aramby		430	430	..	430		
	Marlimund..		11	11	..	11		
	Cairn Hill		405	405	..	405		
	Muttunad	1898 ..	80	80	..	80		
	Kullar reserve		919	919	..	919		
	Burliyar		178	178	..	178		
	Ghaut reserve		247	247	..	247		
	Coonoor peak		259	259	..	259		
	Bandishola		111	111	..	111		
	Sim's Park, block No. I.	1883 ..	48	48	..	48	436	
	Blackbridge		40	40	..	40		
	Little Rallia		10	10	..	10		
	Newman		35	35	..	35		
	Rallia		60	60	..	60		
	Longwood addition ..		350	350	..	350		
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640		
	Bleak House	..	57	57	..	57		
	Springfield ..	1899 ..	30	30	..	30		
	Sim's Park, No. II		36	36	..	36		
	Total, The Nilgiris, Special.	..	23,414	23,524	1,600	21,924	2,065	
	Ulnad	1883 ..	839	839	..	839		
	Mukurty	1888 ..	1,324	1,324	..	1,324		
	Kurumund	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbetta	1886 ..	1,668	1,668	..	1,668		
	Kadcoopa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Vellingiri	1886 ..	391	391	..	391		
	Karpakan	1886 ..	643	643	..	643		
The Nilgiris—General protection.	Pykara	1893 ..	844	844	..	844	120	
	Yemmakal	1886 ..	465	465	..	465		
	Hiriashegai	1887 ..	3,026	3,026	..	3,026		
	Thaishola	1885 ..	1,551	1,551	..	1,551		
	Muthinad	1883 ..	340	340	..	340		
	Bikkapathi	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri Peak	..	5,962	5,962	..	5,962		
	Chinna Coonoor	1894 ..	14	14	..	14		

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris—General protection—*cont.*	Kengal	..	14	14	..	14		
	Kodanad	1895	40	40	..	40		
	Huppatty	..	491	491	..	491		
	Kaguchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathrishola	1884	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keriyada	..	276	276	..	276	103	
	Kengodu	..	451	451	..	451		
	Brooklands	..	177	177	..	177		
	Lovedale (East)	..	127	127	..	127		
	Benhope reserve	1885	75	75	..	75		
	Black bridge	1883	350	350	..	350		
	Devashola	1883	211	211	..	211		
	North and South	..	..	..	..	..		
	Jackal plantation	1902	5	5	..	5		
	Jackanarai	..	324	324	..	324		
	Total, The Nilgiris, General.	..	74,505	74,505	..	74,505	223	
	Total, The Nilgiris, Special and General.	..	97,919	98,029	1,600	96,429	2,288	
North Coimbatore.	Hassanur sandalwood compartment, Satyamangalam range.	1895–96	2,117	2,140	..	2,140	54	
	Geddasal Timber coupes 1 and 2, Satyamangalam range.	1902–03	4,654	4,704	1,323	3,381	105	
	Talamalai sandalwood compartment, Talamalai range.	1897–98	571	589	..	589	73	
	Badagalli sandalwood compartment, Talamalai range.	1896–97	685	685	..	685		
	Hugathurbetta block, Talamalai range.	1903–04	3,067	3,068	..	3,068	90	
	Kontibetta block, Talamalai range.	1905–06	..	8,960	..	8,960	57	
	Bailur sandalwood compartment, Kollegal range.	1895–96	3,034	3,034	12	3,022	172	
	Udaiyárpálaiyam, Kollegal range.	1895–96	1,308	1,321	50	1,271	118	
	Jadathadi, Kollegal range.	1895–96	233	235	..	235	66	
	Alluvarai block, Kollegal range.	1903–04	4,313	4,313	..	4,313	138	
	Arepalayam working circle.	1903–04	2,375	3,144	..	3,144	103	
	Gundal working circle.	1903–04	1,846	1,846	..	1,846	119	
	Chickialur working circle.	1903–04	..	2,990	..	2,990	30	
	Uginiam Oshatti block line.	1905–06	..	..	..	..	70	
	Fire tracing the Mysore Frontier 50 board Suliyamangalam range.	1905–06	..	..	..	..	74	
	Honnebarai Lokkanalli block line, Kollegal range.	1905–06	..	..	..	..	251	
	Doddasampagoi-Mysore boundary line, Kollegal range.	1905–06	..	..	..	..	235	
	Total, North Coimbatore, Special.	..	24,203	37,029	1,385	35,644	1,750	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, South—Special protection.								
Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882–83 ..	24,731	26,374	1,925	24,449	1,202	
Pollachi ..	Punachi reserve No. II ..	1888–89 ..	2,880	2,880	74	2,806	305	
Udamalpet ..	Dhali block ..	1883–84 ..	485	485	..	485	46	
Méttupálaiyam.	Singaratope working circle of Odanthorai block.	1891–92 ..	777	777	..	777	180	
Bolampatti.	Sholakarai. (Bolampatti block I.)	1883–84.	1,157	1,157	1,000	157	1,015	
	Thenkaradu. (Bolampatti block I.)		363	393	6	387		
	Keerapatti. (Bolampatti block I.)		2,160	2,260	..	2,260		
	Oratti .. (Bolampatti block I.)		1,132	1,136	..	1,136		
	Kuchimalai. (Bolampatti block I.)		1,545	1,545	..	1,545		
	Noyel .. (Bolampatti block II.)		10,775	10,920	..	10,920		
	Velliyangiri. (Bolampatti block II.)		5,205	5,240	..	5,240		
	Varadimudi. (Bolampatti block II.)		7,960	7,960	64	7,896		
	Kanavarai .. Bolampatti block III and portions of blocks II and		13,880	13,880	647	13,233		
	Walayar reserve	1873–74 ..	3,017	3,017	10	3,007		
	Chenath Nair reserve * ..	1884–85 ..	15,203	15,203	90	15,113	346	
	Dhoni Nair reserve * ..	1898–99 ..	45	45	..	45		
	Pulliampalli tope * ..	1900–1901.	20	20	2	18		
	Tambirattipottai reserve *.	1891–92 ..	124	124	8	116		
	Total, South Coimbatore, Special.	..	91,459	93,416	3,826	89,590	3,094	
Coimbatore, South—General protection.								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I.	..	255,918	256,847	..	255,357	..	
Pollachi ..	Punachi reserve No. II.	..			1,000			
Udamalpet ..	Amravati ,, ,, III.	..			..			
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..			490			
Bolampatti.	Bolampatti ,, ,, I.	..	74,743	74,791		74,760	..	
	,, ,, ,, II.	..						
	,, ,, ,, III.	..			6			
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..			25			
Méttupálaiyam.	Gopanari ,, ,, V.	..			..			
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti ..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram reserve	..						
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	
Udamalpet ..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Méttupálaiyam.	Avanashi palmyra tope ..	..	67	67	..	67	..	
	Total, South Coimbatore, General	..	344,657	345,634	1,521	344,113	..	
	Total South Coimbatore, Special and General ..	..	436,115	439,050	5,347	433,703	3,094	

* Transferred from South Malabar division.

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Madura—Special protection.	Amburuvi	1886–87 ..	10,771	10,771	..	10,771	27	
	Shengalvaraiyar	1885–86 ..	4,608	4,608	..	4,608	39	
	Pambar	1883–84 ..	4,043	4,243	..	4,243	47	
	Adukkam	1885–86 ..	3,165	3,200	..	3,200	..	
	Poombarai Vilpatti valley.	1884–85 ..	17,594	17,594	..	17,594	121	
	Karungal Dhoni medu ..	1885–86 ..	1,664	1,964	..	1,964	..	
	Kookal	1886–87 ..	11,725	11,725	..	11,725	7	
	Kudraiyar	1886–87 ..	13,235	13,235	..	13,235	162	
	Perumalmalai .. .. ⎫ Thogavarai shola .. .. ⎬ Thalaiyar kadu .. .. ⎪ Kadamaravu .. .. ⎭	1886–87 ..	7,386	7,386	300	7,086	..	
	Oliyanuthu odai	1888–89 ..	3,802	3,802	..	3,802	..	
	Kundukadu	1902–1903.	332	332 ⎫	..	332	..	
	Pannitulam	..	16	16 ⎪	..	16	..	
	Gundar	..	438	438 ⎪	..	438	..	
	Manavartan kanal ..	..	56	56 ⎪	..	56	..	
	Kalarankavai kanal ..	..	52	* 52 ⎬	..	52	..	* Included in the Gundar valley Extension block.
	Parappar	..	55	55 ⎪	..	55	..	
	Gundan shola	..	257	257 ⎪	..	257	..	
	Nettle shola	..	16	16 ⎭	..	16	..	
	Gundar valley extension.	1904–1905.	5,740	5,860	200	5,660	479	
	Ampthill Downs reserve ..	1905–1906.	..	312,759	..	312,759	160	
	Perumalmalai shola ..	1902–1903.	347	347	..	347	32	
	Anagiri	1902–1903.	73	73	..	73	29	
	Tiger shola	1902–1903.	1,866	1,866	..	1,866	59	
	Glenfalls shola	1902–1903.	36	36 ⎫		36	..	
	Gundar valley	1902–1903.	3,988	3,988 ⎪		3,988	..	
	Talkadu kanal	1902–1903.	268	268 ⎪		268	..	
	Kuttukal kadu	1902–1903.	36	36 ⎪		36	..	
	Kilavarai	1902–1903.	36	36 ⎬	..	36	846	
	Chandanur	1902–1903.	440	440 ⎪		440	..	
	Pook kadu	1902–1903.	242	242 ⎪		242	..	
	Swamikanal	1902–1903.	1,548	1,548 ⎪		1,548	..	
	Kilavayal	1902–1903.	568	568 ⎭		568	..	
	Alagar Hill	1882–1883.	16,838	16,838	23	16,815	496	
	Total, Madura, Special.	..	111,241	424,655	523	424,132	2,504 + 7 † 2,511	† Cost of putting out fire in Kunbag block.
Tinnevelly(a)—Special protection. Srívilliputtúr.	Aiyanarkoil Working Circle.	1902 ..	4,031	4,722	355	4,367	216	
Sankaranayinárkóyil.	Karuppasamikoil Working Circle.	1902 ..	5,484	6,155	7	6,148	210	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	2,197	2,288	8	2,280	170	
	Kuttalam Working Circle.	1902 ..	2,584	2,644	..	2,644	30	
Ambásamudram.	Koilteri ,,	1902 ..	2,013	2,013	..	2,013	174	
	Padarmalai ,,	1902 ..	3,045	3,045	..	3,045	119	
Nángunéri ..	Kalakad ,,	1902 ..	2,918	2,918	265	2,653	286	
	Tirukurungudi ,,	1902 ..	2,538	2,538	1	2,537	105	
	Total Tinnevelly, Special.	..	24,810	26,323	636	25,687	1,310	
General protection— Srívilliputtúr.	Ghât forests, V and V (a).	1902 ..	37,236	38,783	1,206	37,577	216	
Sankaranayinárkóyil.	,, IV and IV(a).	1902 ..	15,957	20,379	200	20,179	181	
Tenkási ..	Ghât forests, III, III (a), (b), (c) (c), (d) and (e_2), extensions Nos. 1 to 3 of Kuttalam reserve.	1902 ..	20,412	21,502	731	20,771	279	

(a) The variations between the figures entered in column 7 of Form No. 51 for 1904-1905 and those in column 4 of this year's statement have not been explained.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

Taluk.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
Tinnevelly—General protection—*cont.*	*Southern Circle*—cont.							
Ambásamudram.	Ghât forests, II, II (*a*) and II (*b*).	1902 ..	102,076	104,740	2,992	101,748	501	
Nánguneri ..	Ghât forests, I (*a*), teak tract, Mahendragiri and Vannamutti.	1902 ..	45,207	45,981	858	45,123	204	
	Total, Tinnevelly, General.	..	220,888	231,385	5,987	225,398	1,381	
	Total, Tinnevelly, Special and General.	..	245,698	257,708	6,623	251,085	2,691 — (*a*)275	
	Total, Southern Circle, Special protection.	..	465,752	808,853	13,278	795,575	14,692	
	Total, Southern Circle General protection.	..	728,965	746,848	24,643	722,205	5,103	
	Grand Total, Southern Circle.	..	1,194,717	1,555,701	37,921	1,517,780	19,795	
	Total, Presidency, Special.	..	2,112,172	2,662,692	148,414	2,514,278	45,798	
	Total, Presidency, General.	..	1,918,518	1,950,872	130,916	1,819,956	15,368	
	Grand Total, Presidency.	..	4,030,690	4,613,564	279,330	4,334,234	61,166	

(*a*) Deducted as per Accountant-General's audited figures.

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to grazing during 1905–1906.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	9	..	..	..	598	..	538 60
Vizagapatam	6	..	..	..	298 47	..	298 47
Gódávari	11 75	..	271 ..	597 75	..	..	868 75
Kistna	36	12	..	..	183	85	280 ..
Guntúr	160	..	..	..	719	95	814 ..
Kurnool, East	182	..	..	..	1,479	..	1,479 ..
,, West	12	5	..	..	1,147	..	1,064 88
Bellary	55	..	..	..	600	87	624 63
Anantapur	59	..	1	..	509 19	..	510 19
Total, Northern Circle ..	605	17	272	672	5,599	267	6,475 352
Central Circle.							
Cuddapah	9	8	..	..	2,199	146	2,246 107
Nellore	38	..	28	..	629	82	739 ..
Chingleput	56	..	..	..	213	1	214
North Arcot	127	..	..	..	1,256	35	1,290 1
South ,, ...	16	..	..	..	663	..	663
North Salem	53	..	..	..	877	46	857 66
South ,, ...	48	..	..	..	732	..	728 4
Trichinopoly	16	..	..	..	315	..	313 2
Tanjore	3	1	..	..	19	..	20
Total, Central Circle ..	366	9	28	..	6,903	310	7,070 180
Southern Circle.							
South Canara	11	..	..	..	11	1,048	722 337
North Malabar	29	..	..	..	260	..	256 4
South ,, ...	258	..	..	..	258	2	194 66
The Nilgiris	6 10	..	..	..	414 85	..	414 85
North Coimbatore	79	12	15	..	1,614	..	1,368 273
South ,, ...	30	..	..	..	686	..	686
Madura	109	..	..	..	560	106	666
Tinnevelly	..	..	..	..	437	..	437
Total, Southern Circle ..	532	12	15	..	4,325	1,156	4,743 765
Grand Total, Presidency ..	1,503	38	315	672	16,827	1,733	19,585
Do. 1904–1905 ..	1,621	89	351	..	18,328	858	18,107 1,519

N.B.—The totals of columns 3, 4, 5, 6 and 7 equal column 8. The figures in column 6 includes the figures in column 2. Of the figures in brackets, the upper ones denote the area of reserved forests and the lower ones the area of reserved lands.

RETURN of Grazing in the State forests of the Madras Presidency during 1905–1906.

FORM

RETURN of Grazing in the State forests of the

Districts.	Grazing on payment.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	9,758	38,788	(s) 268	..	10,957
Vizagapatam	(a) 128	3,107	(s) 1,705	..	1,054	1,368	16,143	(s) 1,721	..	3,701
Gódávari	(b) 8,936 (c) 910	12,469 306	.. ...	.. ..	7,592 797	..	..	..	..	..
Kistna	(i) 84 (i) 919	(j) 1,641 (k) 2,902 (l) 574 (m) 10,070	(s) (n) 450 (s) (o) 319 (g) (p) 390	..	6,715	7,700	27,535	(g) 8,393 (s) 19,263	..	10,643
Guntúr	(r) 308 (t) 3,056 (u) 80	(r) 1,095 (t) 41,516 ..	(s) (r) 4,990 (g) (r) 746 (s) (t) 45,770 (g) (t) 17,107	..	30,875	9,892	32,380	(g) 21,535 (s) 81,245	..	19,416
Kurnool, East	(a) 7,984	(a) 94,532	(a) (s) 32,138	..	31,642	1,278	9,391	(s) 29,180	..	5,175
Kurnool, West	2,233	28,484	(s) 10,500	..	(v) 9,632	3,118	37,266	(s) 55,577	..	(v) 13,411
Bellary	..	..	..	..	..	18,556	76,727	(s) 203,020 (g) 54,463	..	45,484
Anantapur	..	..	..	..	..	3,927	49,926	(s) 94,134	..	19,659
Total, Northern Circle ..	24,638	196,696	(s) 95,872 (g) 18,243	..	88,307	55,597	288,156	(s) 484,408 (g) 84,391	..	128,446
Central Circle.										
Cuddapah	..	..	..	..	..	9,005	157,898	(s) 215,215 (g) 10,172	..	(y) 58,245
Nellore (bb)	..	63,604	(g) 25,930 (s) 131,365	..	38,804	9,627	..	..	..	3,610
Chingleput (ee)	..	..	..	..	..	1,126	18,231	(s) 20,733 (g) 146	..	(dd) 5,820
North Arcot	..	..	(g) 22	..	16	4,898 (ff) 50	133,290 (ff) 995	(s) 80,417	..	34,471
South Arcot	..	18,021	..	..	4,505	4,079	101,025	(s) 115,799	..	31,328
North Salem	(a) 1,619	(a) 91,603	(a) (s) 13,047 (g) (gg) 2,667	..	26,674	438	40,226	(s) 5,305	..	8,204
South Salem	..	(ii) 3,808	..	..	1,428	1,113	104,714	(s) 28,679	..	22,740
Trichinopoly	..	..	..	..	..	577	23,922	(s) 137,156	..	17,560
Tanjore	..	..	..	..	..	294	2,160	(s) 3,866	..	881
Total, Central Circle ..	1,619	177,036	(s) 144,412 (g) 28,619	..	71,427	31,207	582,461	(s) 607,170 (g) 10,318	..	182,859
Southern Circle.										
South Canara	..	..	..	..	..	4,413	27,951	..	..	6,896
North Malabar	..	..	..	..	..	3,454	7,325	..	..	2,669 (kk) 107
South Malabar	..	..	..	..	..	..	19	..	..	4
The Nilgiris (mm)	..	..	..	..	..	12,065	20,046	(s) 1,227	141	8,784
North Coimbatore	(a) 8,311	(a) 156,574	(s) (a) 35,197	20	47,704	154	7,146	(s) 9,456	..	2,284
South Coimbatore	(oo) 2	944	(s) 44	..	364	1,063	44,477	(s) 13,368	..	9,997
Madura	(a) 617	(a) 62,625	(a) (s) 30,041 (g) (pp) 45,126	835	31,210	..	..	..	..	..
Tinnevelly	..	..	..	..	..	541	17,748	(s) 29,915	..	6,335
Total, Southern Circle ..	8,930	220,143	(s) 65,282 (g) 45,126	855	79,278	21,690	124,712	(s) 53,966	141	37,076
Grand Total, Presidency.	35,187	593,875	(s) 305,566 (g) 91,988	855	2,39,012	108,494	995,329	(s) 1,145,544 (g) 94,709	141	348,381

(a) Enhanced rates were levied in the district at As. 8 as per buffalo, As. 4 as per bull or cow and As. 2 as per sheep.
(b) Do. do. As. 8 as per buffalo and As. 4 per bull or cow.
(c) Do. do. As. 12 as per buffalo and As. 6 per bull or cow.
(d) Privileged rates were levied in the district at As. 4 per buffalo, As. 2 per bull or cow and As. 1-6 per sheep or goat.
(e) Privileged rates As. 2 per buffalo, Anna 1 per cow or bull, and 6 pies per sheep or goat.
(f) Anna 1 per buffalo, Anna 1 per cow or bull.
(g) Goats.
(h) Sale-proceeds of grass.
(i) 84 buffaloes at Re. 1 and 919 buffaloes at As. 8.
(j) Re. 1 per bull.
(k) As. 8 per bull.
(l) As. 6 per bull.
(m) As. 4 per bull.
(n) As. 4 per sheep.
(o) As. 2 per sheep.
(p) As. 8 per goat.
(q) As. 4 per buffalo and As. 2 per bull or cow.
(r) As. 8 per buffalo, As. 4 per cow or bull and As. 2 per sheep or goat.
(s) Sheep.
(t) As. 12 per buffalo, As. 6 per bull or cow and As. 8 per sheep or goat.
(u) Plough bullocks at Re. 1 each.
(v) Includes sale-proceeds of fodder grass.
(w) Cows and bullocks at As. 1-6 each.
(x) Sheep at 9 pies per head.
(y) The fees sanctoned at the full rates, viz., As. 6 per buffalo, As. 3 per bull or cow and As. 1-6 per sheep or goat amount to only Rs. 40,026. It is not stated how the Collector's figure, viz., Rs. 58,245, has been arrived at.
(z) 621 cows at As. 1-6 per head and 100 cows at Anna 1 per head.

No. 53.

Madras Presidency during 1905–1906.

Number of animals.						Grazing free. Number of animals.											
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						Grand total of value at full rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,957
..	..	..	..	..	..	..	200	..	..	37	..	200	..	..	38	75	4,830
(d) 2,108	(d) 12,737	(s) (d) 178	..	2,136													
(e) 4,708	(e) 22,026	(e) (s) 6,707	..	2,174	12,276	..	..	..	..	..	26	1,663	..	..	321	321	20,986
(f) 496	(f) 12,642	..	..	821													
(g) 2,050	(g) 10,042	..	..	1,768	2,651	..	..	..	..	..	..	..	..	..	..	..	20,009
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50,291
..	..	..	..	..	..	..	994	2,202	..	393	..	..	..	..	..	393	37,210
..	..	..	..	..	..	..	1,491	3,303	..	589	..	..	..	..	..	589	23,632
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	45,484
..	(w) 16,945	(x) (s) 1,355	..	1,652	3,304	..	..	..	..	..	..	..	..	..	..	..	22,963
9,362	74,392	(s) 8,240	..	8,551	18,231	..	2,685	5,505	..	1,019	26	1,863	..	..	359	1,378	2,36,362
..	(z) 721	(aa) (s) 1,200	..	115	248	..	1,900	..	..	356	..	..	..	..	..	356	58,849
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	42,414
																	(cc) 6,064
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,820
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34,487
..	..	..	..	..	..	..	..	..	..	..	679	2,947	35	..	810	810	36,643
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34,878
																	(hh) 529
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,168
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,560
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	881
																	(jj) 5
.	721	(s) 1,200	..	115	248	..	1,900	..	..	356	679	2,947	35	..	810	1,166	2,62,298
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,896
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,776
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
																	(ll) 60
..	1,744	..	..	90	327	..	..	..	..	..	..	..	..	..	..	..	9,111
74	555	117	..	72	144	..	..	..	..	..	..	..	..	..	..	..	50,132
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,353
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31,210
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,335
																	(qq) 55
74	2,299	(s) 117	..	162	471	..	..	..	..	..	..	..	..	..	..	..	1,16,940
9,436	77,412	(s) 9,557	..	8,828	18,950	..	4,585	5,505	..	1,375	705	4,810	35	..	1,169	2,544	6,15,600

(aa) 850 sheep at 9 pies and 350 sheep at 6 pies.

(bb) Bullocks at As. 4, sheep at As. 2 and goats at As. 4.

(cc) Represent value of grass chits and kancha rent.

(dd) Fees calculated at full rates amount to Rs. 5,797 and not Rs. 5,820. It is not explained how the latter figure was arrived at.

(ee) Free-grazing was allowed in State forests on account of draught. The Collector states that the number of unlicensed cattle grazed within the period is not ascertainable.

(ff) Buffaloe calves at As. 3 and cow calves at As. 1–6 per head.

(gg) Goats at As. 8 per head.

(hh) 529 Pen licenses at Re. 1.

(ii) Cows at As. 6 per head.

(jj) Fees received for penning licenses.

(kk) Fees realized by lease of pasture lands.

(ll) Fees realized by sale of fodder grass.

(mm) Enhanced rates of As. 8 were levied on foreign cows, bulls, horses and asses; Re. 1 on foreign buffaloes and As. 4 on foreign sheep and the usual full rates on ordinary cattle, etc.; daily rate for the cattle of the Mysore-Nomadic tribes at As. 3 per 100 diem.

(oo) Enhanced rates As. 12 per buffalo, As. 6 per bull or cow and As. 8 per sheep for grazing in block No. II of Bolampatti range as per Board's Proceedings, Forest Mis. No. 524, dated 17th May 1905.

(pp) As. 4 per head.

(qq) Penning fees collected.

Return of Grazing in the State forests of the

Districts.	Grazing on payment. Number of animals. At enhanced or special rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
										Reserved and
Northern Circle.					RS.					RS.
Unreserved lands—										
Gódávari	(a)4,427 (b) 53	(a) 8,644 (b) 94	..	..	4,375 75	..	..	(s) 1,535 (g) 1,417	..	285
Bellary	..	..	..	..	..	82	1,052	..	..	228
Total, Northern Circle ..	4,480	8,738	..	..	4,450	82	1,052	2,952	..	513
Southern Circle.										
Reserved lands—										
South Canara	..	..	..	..	..	281	1,953	..	..	472
The Nilgiris	..	157	..	..	78	..	..	..	..	..
North Coimbatore	(c)1,127	32,019	(s) 903	..	8,681	..	..	..	..	..
Total, Southern Circle ..	1,127	32,176	(s) 903	..	8,759	281	1,953	..	..	472
Northern Circle.										
Reserved forests	24,638	196,696	(s)95,872 (g)18,243 ..	..	88,307	55,597	288,156	(s)484,408 (g)84,391 ..	..	128,446
Reserved lands	..	..	..	..	..	..	..	..	..	..
Unreserved lands	4,480	8,738	..	..	4,450	82	1,052	(s) 1,535 (g) 1,417	..	513
Total, Northern Circle ..	29,118	205,434	(s)95,872 (g)18,243 ..	..	92,757	55,679	289,208	(s)485,943 (g)85,808 55,577	..	128,959
Central Circle.										
Reserved forests	1,619	177,036	(s)144,412 (g)28,619	..	71,427	31,207	582,461	(s)607,170 (g)10,318	..	182,859
Southern Circle.										
Reserved forests	8,930	220,143	(s) 65,282 (g)45,126	855	79,278	21,690	124,712	(s)53,966	141	37,076
Reserved lands	1,127	32,176	(s) 903	..	8,759	281	1,953	..	..	472
Total, Southern Circle ..	10,057	252,319	(s)66,185 (g)45,126	855	88,037	21,971	126,665	(s)53,966	141	37,548
Grand Total, Presidency ..	40,794	634,789	(s)306,469 (g)91,988 ..	855	252,221	108,857	998,334	(s)1,147,079 (g)96,126 ..	141	349,366

(a) Enhanced rates at As. 8 per buffalo, and As. 4 per cow or bullock.
(b) Do. As. 12 do. and As. 6 do.
(c) Do. As. 8 do. and As. 4 per bull or cow and As. 2 per sheep or goat.
(s) Sheep.
(g) Goats.

Madras Presidency during 1905–1906—*cont.*

At privileged rates.						Grazing free. Number of animals. By right under settlement.					Grazing free. Number of animals. During pleasure of Government or otherwise than under settlement.						Grand total of value at full rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Lands.																	
				RS.	RS.					RS.					RS.	RS.	RS.
(c) 3	(c) 55	..	..	8	11	..	..	..	..	..	..	..	..	..	..	..	4,746 (d) 959
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	228
3	55	..	..	8	11	..	..	..	..	..	..	..	..	..	..	..	5,933
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	472
..	..	..	..	..	..	(e) 2,152	..	..	..	807	..	..	..	..	..	..	885
..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	8,681
..	..	..	..	..	..	2,152	..	..	..	807	..	..	..	..	..	..	10,038
9,362	74,392	(s) 8,240	..	8,551	18,231	..	2,685	5,505	..	1,019	26	1,863	..	..	359	1,378	2,36,362
..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..
3	55	..	..	8	11	..	..	..	..	..	..	..	..	..	..	..	5,933
9,365	74,447	(s) 8,240	..	8,559	18,242	..	2,685	5,505	..	1,019	26	1,863	..	..	359	1,378	2,42,295
..	721	(s) 1,200	..	115	248	..	1,900	..	..	356	679	2,947	35	..	810	1,166	2,62,298
74	2,299	(s) 117	..	162	471	..	..	..	..	..	..	..	..	..	..	..	1,16,940
..	..	..	..	..	..	2,152	..	..	..	807	..	..	..	..	..	..	10,038
74	2,299	(s) 117	..	162	471	2,152	..	..	..	807	..	..	..	..	..	..	1,26,978
9,439	77,467	(s) 9,557	..	8,836	18,961	2,152	4,585	5,505	..	2,182	705	4,810	35	..	1,169	2,544	6,31,571

(c) Privileged rates at As. 4 per buffalo and As. 2 per bull or cow.
(d) Sale-proceeds of pasture.
(e) Toda cattle allowed free grazing in Todapetta lands.

Abstract of animals licensed to graze on payment.

Circle.	Buffaloes.	Bull Calves.	Sheep.	Goats.	Other animals.	Total.
Northern	94,162	569,089	590,055	104,051	..	1,357,357
Central	32,896	760,218	752,782	38,937	..	1,584,763
Southern	32,102	381,283	120,268	45,126	996	579,775
Total ..	159,090	1,710,590	1,463,105	188,114	996	3,521,895

Annual Form No. 54.

Forest Department, Madras Presidency.

Artificial reproduction, 1905–1906.

District.	Area in acres. On 1st July 1905.	Added during the year.	Excluded during the year.	Area on 30th June 1906.	Expenditure during the year. Creation.	Upkeep.	Total expenditure from commencement. Creation.	Upkeep.	Revenue during the year.	Total revenue from date of creation of plantation.
1	2	3	4	5	6	7	8	9	10	11
A. Regular Plantations.										
					RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle. Ganjám	348	..	..	348	..	1,317	33,900	5,559	2,976	8,569
Vizagapatam	78	..	..	78	75	6	..	..	365	..
Gódávari	564	81	13	632	3,667	1,607	26,973	5,850	7,645	14,806
Kistna	1,038	47	58	1,027	1,411	1,281	7,475	12,744	8,932	21,852
Guntúr	1,201	266	30	1,337	1,981	..	8,874	1,391	2,867	3,919
Kurnool, East	..	16	..	16	384	54	384	54	..	..
Do. West	..	288	..	288	12,949	..	12,949	..	..	..
Total, Northern Circle ..	3,229	598	101	3,726	20,467	4,265	90,555	25,598	22,785	49,146
Central Circle. Cuddapah	2,100	..	..	2,100	..	480	..	..	150	..
Nellore	4,907	..	..	4,907	8,159	..	63,981	..	20,960	1,85,154
Chingleput	222	..	..	222	..	87	..	2,148	1,698	6,703
North Arcot	2,629	91	114	2,606	2,147	863	..	1,21,915	12,827	..
South do.	1,041	..	..	1,041	1,802	472	19,901	192	8,813	75,076
North Salem	897	..	374	523	81	314	81	47,970	487	5,158
South do.	660	..	..	660	11	38	43,366	77	395	7,292
Tanjore	539	..	..	539	69	1,372	..	..	2,802	..
Total, Central Circle ..	12,995	91	488	12,598	12,269	3,626	1,27,329	1,72,332	48,132	2,79,383
Southern Circle. South Canara	122	..	..	122	49	90	2,263	5,154	1,411	12,659
North Malabar	700	20	..	720	3,743	989	13,289	10,212	..	..
South do.	5,419	150	20	5,549	4,109	4,172	5,15,472	4,89,242	33,857	9,58,806
The Nilgiris	1,645	..	..	1,645	..	14,822	..	..	17,252	..
South Coimbatore ..	30	..	..	30	..	50	6,228	..	..	..
Madura	275	..	..	275	..	..	..	..	..	..
Tinnevelly	542	110	..	652	441	745	1,179	1,130	..	..
Total, Southern Circle ..	8,733	280	20	8,993	8,342	20,868	5,38,431	5,05,738	52,520	9,71,465
Grand Total, Regular Plantations, Presidency.	24,957	969	609	25,317	41,078	28,759	7,56,315	7,03,668	1,23,437	12,99,994
B. Taungya.										
Northern Circle. Gódávari	50	25	..	75	209	144	1,071	360	98	782
Total, Northern Circle ..	50	25	..	75	209	144	1,071	360	98	782
Central Circle. Trichinopoly	595	..	..	595	65	..	..	..	1,342	..
Total, Central Circle ..	595	..	..	595	65	..	..	..	1,342	..
Southern Circle. North Malabar	56	..	..	56	..	..	..	10,056	215	1,800
Tinnevelly	44	..	..	44	..	..	..	..	..	..
Total, Southern Circle ..	100	..	..	100	..	..	..	10,056	215	1,800
Grand Total, Taungya, Presidency.	746	25	..	770	274	144	1,071	10,416	1 655	2,582
C. Cultural Operations.										
Northern Circle. Gódávari	560	242	..	802	269	72	702	247	..	..
Kistna	37	112	..	149	176	408	1,446	2,144	299	548
Guntúr	1	..	..	1	30	..	30	..	..	..
Kurnool, East	..	463	..	463	1,920	121	1,920	121	..	..
Bellary	153	..	..	153	..	815	7,279	5,947	50	398
Anantapur	..	..	..	..	2,203	..	5,697	..	..	274
Total, Northern Circle ..	751	817	..	1,568	4,598	1,416	17,074	8,459	349	1,220

Artificial reproduction, 1905-1906—*cont.*

District.	Area in acres.				Expenditure during the year		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of operation of plantation.
	On 1st July 1905.	Added during the year.	Excluded during the year.	Area on 30th June 1906.	Creation.	Upkeep.	Creation.	Upkeep.		
1	2	3	4	5	6	7	8	9	10	11
C. Cultural Operations—cont.										
					RS.	RS.	RS.	RS.	RS.	RS.
Central Circle. Cuddapah	597	..	..	597	..	50	..	..	36	..
Nellore	1,354	394	398	1,350	477	..	1,494	..	..	..
Chingleput	255	800	..	1,055	..	74	..	120	..	..
North Arcot	952	64	20	996	9	170	12	181	15	..
South do.	..		..	..	85	..	85	..	..	..
North Salem	..	..	..	..	28	217	138	217	2	2
South do.	68	15	20	63	286	143	1,250	146	..	..
Trichinopoly	91	1	..	92	297	778	..	..	1,383	..
Tanjore	1,161	..	..	1,161	6	..	..	..	..	..
Total, Central Circle	4,478	1,274	438	5,314	1,188	1,432	2,979	664	1,436	2
Southern Circle. South Canara	2	..	..	2	78	..	78	..	..	..
North Malabar	109	30	..	139	13	..	..	4,528	..	..
South do.	44	28	..	72	512	112	512	112	..	..
The Nilgiris	488	..	..	488	..	1,023	..	..	..	..
South Coimbatore	50	15	..	65	78	..	78	..	..	..
Madura	70	70	..	140	127	..	297	..	..	..
Tinnevelly	8	50	..	58	66	..	71	..	..	..
Total, Southern Circle	771	193	..	964	874	1,135	1,036	4,640	..	..
Total, Cultural Operations, Presidency	6,000	2,284	438	7,846	6,660	3,983	21,089	13,763	1,785	1,222
Total, Northern Circle, Regular plantations, Taungya plantation and cultural operations	4,030	1,440	101	5,369	25,274	5,825	1,08,700	34,417	23,232	51,148
Total, Central Circle, Regular plantations, Taungya plantation and cultural operations	18,068	1,365	926	18,507	13,522	5,058	1,30,308	1,72,996	50,910	2,79,385
Total, Southern Circle, Regular plantations, Taungya plantation and cultural operations	9,604	473	20	10,057	9,216	22,003	5,39,467	5,20,434	52,735	9,73,265
Grand Total, Presidency	31,702	3,278	1,047	33,933	48,012	32,886	7,78,475	7,27,847	1,26,877	13,03,798

FORM

Forest Department

OUTTURN (in cubic feet solid) of Timber and Fuel and of Bamboo

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.		C. FT.	C. FT.	C. FT.
Ganjám.							
Reserved forests—							
Sal	944	65,844	..	..	66,788	..	..
Miscellaneous	7,793	98,540	6,350	..	112,683	..	..
Total ..	8,737	164,384	6,350	..	179,471	11,395	379,096
Reserved lands—							
Sal	79	..	..	..	79	..	..
Miscellaneous	86	14	..	..	100	..	..
Total ..	165	14	..	..	179	..	..
Unreserved lands—							
Sal	1,832	60,350	..	..	62,182	..	..
Miscellaneous	50	187,700	235	..	187,985	..	..
Total ..	1,882	248,050	235	..	250,167	..	27,097
Total Ganjám ..	10,784	412,448	6,585	..	429,817	11,395	406,193
Vizagapatam.							
Reserved forests— Miscellaneous	1,843	61,022	..	..	62,865	* 185,429	122,738
Unreserved lands— Miscellaneous	..	6,735	..	..	6,735	..	20,293
Total Vizagapatam ..	1,843	67,757	..	..	69,600	185,429	143,031
Gódávari.							
Reserved forests—							
Teak (*Tectona grandis*) ..	801	9,462	..	..	10,263	..	..
Vengai (*Pterocarpus marsupium*)	..	10	..	..	10	..	..
Miscellaneous	4	53,999	..	..	54,003	..	..
Total ..	805	63,471	..	..	64,276	330,689	21,740
Unreserved lands—							
Teak	67	894	..	..	961	..	..
Vengai (*Pterocarpus marsupium*)	510	976	..	..	1,486	..	..
Maddi (*Terminalia tomentosa*)	445	1,405	..	..	1,850	..	..
Miscellaneous	705	146,340	1,511	..	148,556	..	..
Total ..	1,727	149,615	1,511	..	152,853	6,392	225,174
Total Gódávari ..	2,532	213,086	1,511	..	217,129	337,081	246,914
Kistna.							
Reserved forests— Miscellaneous	391	6,842	3,680	..	10,913	178,420	† 168,632
Unreserved lands— Miscellaneous	..	46,755	5,690	..	52,445	25,205	765,508
Total Kistna ..	391	53,597	9,370	..	63,358	203,625	934,140
Guntur.							
Reserved forest— Miscellaneous	7,028	8,623	..	..	15,651	‡ 242,465	141,113
Unreserved lands— Miscellaneous	11,410	58,054	7,720	..	77,184	18,160	58,239
Total Guntúr ..	18,438	66,677	7,720	..	92,835	260,625	199,352

* Excludes 9,305 kunchams of charcoal the equivalent in cubic feet of which has not been reported by the Collector.
† Includes 28 cubic feet of charcoal.
‡ Includes 96 cubic feet of charcoal.

No. 55.

Madras Presidency.

(in number) during the year 1905–1906, and Agency of Exploitation.

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	390,491	569,962	262,527	1,476,936	58,675	..	1,798,138
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	179	..	1,830	..	..	1,830
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	27,097	277,264	..	42,540	..	..	42,540
..	..	417,588	847,405	262,527	1,521,306	58,675	..	1,842,508
606	..	308,773	371,638	660	1,667,420	8,287		1,676,367
..	..	20,293	27,028	..	12,970	..	..	12,970
606	..	329,066	398,666	660	1,680,390	8,287	..	1,689,337
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	352,429	416,705	600	3,494,963	..	..	3,495,563
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	231,566	384,419	2,570	6,090,314	..	..	6,092,884
..	..	583,995	801,124	3,170	9,585,277	..	..	9,588,447
..	..	347,052	357,965	..	392,196	500	..	392,696
..	..	790,713	843,158	..	..	..		..
..	..	1,137,765	1,201,123	..	392,196	500	..	392,696
..	..	383,578	399,229	..	..	..	..	..
..	..	76,399	153,583	..	..	..	..	..
..	..	459,977	552,812	..	..	..	..	..

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Kurnool, East.							
Reserved forests—							
Teak	2,344	..	..	..	2,344	..	..
Vengai	2,968	..	..	..	2,968	..	..
Maddi	2,102	..	..	..	2,102	..	..
Miscellaneous	10,980	5,322	1,800	524	18,626	..	..
Total ..	18,394	5,322	1,800	524	26,040	* 1,086,511	19,259
Unreserved lands—							
Miscellaneous	..	..	..	..	..	..	38,392
Total, Kurnool East ..	18,394	5,322	1,800	524	26,040	1,086,511	57,651
Kurnool, West.							
Reserved forests—							
Teak	392	..	..	..	392	..	..
Vengai	5,268	..	..	..	5,268	..	..
Maddi	1,258	..	..	..	1,258	..	..
Miscellaneous	16,690	98,911	4,110	787	120,498	..	..
Total ..	23,608	98,911	4,110	787	127,416	1,350,200	..
Unreserved lands—							
Miscellaneous	..	26,555	..	..	26,555	5,236	57,153
Total, Kurnool West ..	23,608	125,466	4,110	787	153,971	1,355,436	57,153
Bellary.							
Reserved forests—							
Miscellaneous	18,493	30,400	861	..	49,754	364,403	377,922
Reserved lands including leased forests—							
Teak	1,017	..	..	..	1,017	..	..
Miscellaneous	1,404	53,510	..	..	54,914	..	..
Total ..	2,421	53,510	..	..	55,931	86,100	10,749
Unreserved lands—							
Miscellaneous	515	26,041	..	..	26,556	41,900	30,409
Total, Bellary ..	21,429	109,951	861	..	132,241	492,403	419,080
Anantapur.							
Reserved forests—							
Miscellaneous	†701	7,935	..	..	8,636	119,245	29,835
Unreserved lands—							
Miscellaneous	145	17,324	..	..	17,469	141,763	108,007
Total, Anantapur ..	846	25,259	..	..	26,105	261,008	137,842
CENTRAL CIRCLE.							
Cuddapah.							
Reserved forests—							
Miscellaneous	13,639	84,422	16,740	..	114,801	171,761	287,850
Unreserved lands—							
Miscellaneous	..	29,702	..	..	29,702	..	213,265
Total, Cuddapah ..	13,639	114,124	16,740	..	144,503	171,761	501,115
Nellore.							
Reserved forests—							
Miscellaneous	2,715	1,373	..	..	4,088	607,497	446,669
Unreserved lands—							
Miscellaneous	81	15,056	14,140	..	29,277	..	14,442
Total, Nellore ..	2,796	16,429	14,140	..	33,365	607,497	461,111

* Includes 2,852 cubic feet of charcoal.

† Excludes 4,582 pieces of vasalu, tantulu, rafters, posts, poles, beams, etc., the cubical contents of which has not been reported by the Collector.

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	103,004	1,208,774	1,234,814	564,447	18,400	11,250	8,196	602,293
..	..	38,392	38,392	..	..	..	..	..
..	103,004	1,247,166	1,273,206	564,447	18,400	11,250	8,196	602,293
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	154,506	1,504,706	1,632,122	1,450,024	50	53,125	12,293	1,515,492
..	..	62,389	88,944	..	..	..	..	..
..	154,506	1,567,095	1,721,066	1,450,024	50	53,125	12,293	1,515,492
..	..	742,325	792,079	..	5,846	1,240	..	7,086
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	96,849	152,780	600	127,837	..	..	128,437
..	..	72,309	98,865	..	..	..	..	..
..	..	911,483	1,043,724	600	133,683	1,240	..	135,523
..	..	149,080	157,716	28,522	5,328	..	..	33,850
..	..	249,770	267,239	..	..	..	..	..
..	..	398,850	424,955	28,522	5,328	..	..	33,850
..	..	459,611	574,412	1,100	1,228,430	80,700	..	1,310,230
..	..	213,265	242,967	..	..	..	..	..
..	..	672,876	817,379	1,100	1,228,430	80,700	..	1,310,230
..	..	1,054,166	1,058,254	..	437	..	..	437
..	..	14,442	43,719	..	..	..	..	..
..	..	1,068,608	1,101,973	..	437	..	..	437

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Chingleput.							
Reserved forests—Miscellaneous	..	349	..	..	349	* 40,754	46,686
Unreserved lands—Miscellaneous	40	17,769	11,360	..	29,169	9,284	31,773
Total, Chingleput ..	40	18,118	11,360	..	29,518	50,038	78,459
North Arcot.							
Reserved forests—							
Sandalwood	2,214	..	..	..	2,214	..	..
Red sanders (*Pterocarpus santalinus*)	916	..	..	..	916	..	..
Miscellaneous	† 4,142	143	..	..	4,285	..	..
Total ..	7,272	143	..	..	7,415	543,649	108,632
Unreserved lands—Miscellaneous	..	122,357	4,215	..	126,572	..	700,203
Total, North Arcot ..	7,272	122,500	4,215	..	133,987	543,649	808,835
South Arcot.							
Reserved forests—Miscellaneous	449	2,980	..	..	3,429	76,949	284,455
Unreserved lands—Miscellaneous	..	65,674	5,640	..	71,314	282	225,361
Total, South Arcot ..	449	68,654	5,640	..	74,743	77,231	509,816
North Salem.							
Reserved forests—							
Sandalwood	654	..	..	..	654	..	..
Miscellaneous	11,032	90	538	..	11,660	..	..
Total ..	11,686	90	538	..	12,314	113,160	7,995
Unreserved lands—							
Sandalwood	550	..	..	..	550	..	..
Miscellaneous	3,013	43,856	..	..	46,869	..	..
Total ..	3,563	43,856	..	..	47,419	63,189	72,061
Total, North Salem ..	15,249	43,946	538	..	59,733	176,349	80,056
South Salem.							
Reserved forest—							
Sandalwood	24	..	..	..	24	..	..
Vengai	576	..	..	..	576	..	..
Miscellaneous	2,620	1,227	9	..	3,856	..	..
Total ..	3,220	1,227	9	..	4,456	285,861	6,324
Unreserved lands—							
Sandalwood	196	..	..	..	196	..	..
Miscellaneous	577	46,566	2,480	..	49,623	..	..
Total ..	773	46,566	2,480	..	49,819	64,187	185,234
Total, South Salem ..	3,993	47,793	2,489	..	54,275	350,048	191,558
Trichinopoly.							
Reserved forests—Miscellaneous	..	14,067	..	..	14,067	321,129	203,714
Unreserved lands—Miscellaneous	..	7,035	2,687	..	9,722	126,846	590,958
Total, Trichinopoly ..	..	21,102	2,687	..	23,789	447,975	794,672
Tanjore.							
Reserved forests—Miscellaneous	..	20,984	..	..	20,984	46,550	213,996
Unreserved lands—Miscellaneous	..	..	..	..	..	5,850	242,216
Total, Tanjore ..	..	20,984	..	..	20,984	52,400	456,212

* Includes 39 cubit feet. of charcoal.

† Includes 4,025 cubit feet. of agricultural implements.

(in number) during the year 1905–1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	87,440	87,789	..	..	..	..	..
..	..	41,057	70,226	4	163	..	..	167
..	..	128,497	158,015	4	163	..	..	167
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	652,281	659,696	3,280	4,624,310	..	..	4,627,590
..	..	700,203	826,775	..	..	..	..	..
..	..	1,352,484	1,486,471	3,280	4,624,310	..	..	4,627,590
200	..	361,604	365,033	1,684	1,210,701	..	..	1,212,385
..	..	225,643	296,957	..	1,894	20	..	1,914
200	..	587,247	661,990	1,684	1,212,595	20	..	1,214,299
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	121,155	133,469	147,975	2,044,025	3,000	..	2,195,000
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	135,250	182,669	8,213	635,750	..	..	643,963
..	..	256,405	316,138	156,188	2,679,775	3,000	..	2,838,963
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	292,185	296,641	90	4,138,258	1,700	..	4,140,048
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	249,421	299,240	..	160,775	..	..	160,775
..	..	541,606	595,881	90	4,299,033	1,700	..	4,300,823
..	..	524,843	538,910	2,653	23,710	..	..	26,363
..	..	717,804	727,526	..	14,508	100	..	14,608
..	..	1,242,647	1,266,436	2,653	38,218	100	..	40,971
..	..	260,546	281,530	..	..	..	..	..
..	..	248,066	248,066	..	24,227	..	..	24,227
..	..	508,612	529,596	..	24,227	...	..	24,227

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Canara.							
Reserved forests—							
Teak	164	13	..	..	177	..	..
Rosewood (*Dalbergia latifolia*)	321	115	..	..	436	..	..
Ironwood (*Xylia dolabriformis*)	503	137	..	..	640	..	..
Vengai (*Pterocarpus marsupium*)	453	51	..	..	504	..	..
Kiralbhogi (*Hopea*)	109	250	..	..	359	..	..
Maddi (*Terminalia tomentosa*) ..	3,342	2,480	..	..	5,822	..	..
Miscellaneous	32,317	2,600	97	..	35,014	..	..
Total ..	37,209	5,646	97	..	42,952	400,775	95,348
Reserved lands—							
Teak (*Tectona grandis*) ..	..	108	..	..	108	..	..
Rosewood	5	86	..	..	91	..	..
Ironwood	371	..	..	..	371	..	..
Kiralbhogi (*Hopea*)	181	..	..	..	181	..	..
Maddi (*Terminalia tomentosa*).	4	575	..	..	579	..	..
Miscellaneous	33	332	..	..	365	..	..
Total ..	594	1,101	..	..	1,695	..	..
Unreserved lands—							
Teak	..	742	..	2,175	2,917	..	..
Rosewood	223	233	..	600	1,056	..	..
Ironwood	178	267	..	1,800	2,245	..	..
Vengai	..	140	..	125	265	..	..
Kiralbhogi (*Hopea*)	250	7,890	250	64,475	72,865	..	..
Maddi	62	1,255	25	475	1,817	..	..
Miscellaneous	324	18,659	300	26,500	45,783	..	..
Total ..	1,037	29,186	575	96,150	126,948	5	744,824
Total, South Canara ..	38,840	* 35,933	672	96,150	171,595	400,780	* 840,172
North Malabar.							
Reserved forests—							
Teak	44,968	..	..	..	44,968	..	..
Rosewood	3,206	..	..	..	3,206	..	..
Ironwood	4,450	..	..	..	4,450	..	..
Vengai	7,781	..	..	..	7,781	..	..
Maddi	27,613	18	..	..	27,631	..	..
Venteak	5,652	..	..	..	5,652	..	..
White cedar	503	..	..	..	503	..	..
Red cedar	361	..	..	..	361	..	..
Miscellaneous	1,741	..	..	..	1,741	..	..
Total ..	96,275	18	..	..	96,293	10,301	3,180
Unreserved lands—							
White cedar	..	1,000	..	..	1,000	..	..
Total ..	..	1,000	..	..	1,000	..	300
Total, North Malabar ..	96,275	1,018	..	..	97,293	10,301	3,480
South Malabar.							
Reserved forests—							
Teak	5,044	5,310	..	..	10,354	..	..
Rosewood	..	143	..	..	143	..	..
Ironwood	1,100	..	..	..	1,100	..	..
Vengai	..	78	..	..	78	..	..
Maddi	76	363	..	..	439	..	..
Miscellaneous	5,608	43,774	..	..	49,382	..	..
Total ..	11,828	49,668	..	..	61,496	30,155	..

* Includes confiscated and waif produce.

† Rs. 420 were realized by the Tahsildar of Wynaad being the value of trees on darkhast land. The volume of the timber is not known.

(in number) during the year 1905–1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	496,123	539,075	6,363	51,623	8	..	57,994
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	1,695	..	800	..	..	800
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	744,829	871,777	225	45,969	..	..	46,194
..	..	1,240,952	1,412,547	6,588	* 98,932	8	..	104,988
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	13,481	109,774	14,585	17,260	..	..	31,845
..	..	..	..	..	..	..	..	..
..	..	† 300	1,300	..	..	..	..	..
..	..	13,781	111,074	14,585	17,260	..	..	31,845
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	30,155	91,651	9,261	9,000	..	..	18,261

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.* *South Malabar*—cont.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved lands—							
Teak	79,703	..	..	..	79,703	..	..
Rosewood	146	..	..	..	146	..	..
Ironwood	17,774	..	..	..	17,774	..	..
Vengai	3	..	..	..	3	..	..
Maddi	6,148	..	..	..	6,148	..	..
Miscellaneous	3,599	..	..	..	3,599	..	..
Total ..	107,373	..	..	..	107,373	2,681	..
Unreserved lands—							
Teak	..	530	..	..	530	..	..
Rosewood	63	26	..	..	89	..	..
Ironwood	492	..	..	..	492	..	..
Miscellaneous	429	560	..	..	989	..	..
Total ..	984	1,116	..	..	2,100	24	..
Total, South Malabar ..	120,185	50,784	..	..	170,969	32,860	..
The Nilgiris.							
Reserved forests—							
Sandalwood	543	..	..	..	543	..	..
Teak	9,179	1,019	..	..	10,198	..	..
Rosewood	796	160	..	..	956	..	..
Vengai	6,515	348	..	..	6,863	..	..
Maddi	1,715	..	..	..	1,715	..	..
Venteak	4,338	..	..	..	4,338	..	..
Miscellaneous	..	1,065	..	..	1,065	..	..
Total ..	23,086	2,592	..	..	25,678	386,650	48,170
Reserved lands—							
Teak	..	255	..	..	255	..	..
Miscellaneous	..	63	..	250	313	..	..
Total ..	..	318	..	250	568	..	..
Unreserved lands— Miscellaneous	..	330	..	4	334	..	..
Total, The Nilgiris ..	23,086	3,240	..	254	26,580	386,650	48,170
North Coimbatore.							
Reserved forests—							
Sandalwood	* 3,481	..	..	..	3,481	..	..
Teak	1,028	..	..	..	1,028	..	..
Rosewood	2,234	..	..	..	2,234	..	..
Vengai	4,683	..	..	..	4,683	..	..
Maddi	26	15,500	..	..	15,526	..	..
Miscellaneous	2,176	..	..	..	2,176	..	..
Total ..	13,628	15,500	..	..	29,128	118,811	218,693
Unreserved lands— Miscellaneous	..	† 389	‡ 259	..	648	..	8,656
Total, North Coimbatore ..	13,628	15,889	259	..	29,776	118,811	227,349
South Coimbatore.							
Reserved forests—							
Teak	55,746	..	..	..	55,746	..	..
Rosewood	1,054	..	..	..	1,054	..	..
Ironwood	532	..	..	..	532	..	..
Vengai	5,116	..	..	..	5,116	..	..
Maddi	14,222	..	..	..	14,222	..	..
Miscellaneous	17,477	15,412	3,750	..	36,639	..	..
Total ..	94,147	15,412	3,750	..	113,309	825,872	§ 130,970
Unreserved lands— Miscellaneous	..	1,280	1,430	..	2,710	..	12,185
Total, South Coimbatore ..	94,147	16,692	5,180	..	116,019	825,872	143,155

* Excludes eighteen trees the volume of which has not been reported.
† Excludes two Palmyra trees.
‡ Excludes 139 palmyra trees the volume of which has not been reported.
§ Excludes 28 tons of charcoal the volume of which has not been reported.

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,681	110,054	40,673	5,700	..	..	46,373
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	24	2,124	800	..	..	..	800
..	..	32,860	203,829	50,734	14,700	..	..	65,434
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,560	..	437,380	463,058	..	131,127	1,625	..	132,752
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
40	51	91	659	..	..	..	1,600	1,600
..	..	..	334	..	..	..	..	..
2,600	51	437,471	464,051	..	131,127	1,625	1,600	134,352
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	337,504	366,632	26,120	‖ 2,632	10	..	28,762
..	..	8,656	9,304	..	..	..	..	..
..	..	346,160	375,936	26,120	2,632	10	..	28,762
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	956,842	1,070,151	1,516	1,388,740	26,250	..	1,416,506
..	..	12,185	14,895	..	..	2,534	..	2,534
..	..	969,027	1,085,046	1,516	1,388,740	28,784	..	1,419,040

‖ Excludes 187,632 cubic feet of bamboos, the number of bamboos contained in which has not been reported by the Collector.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Madura.							
Reserved forests –							
Teak	309	..	..	..	309	..	..
Rosewood	12	..	..	..	12	..	..
Vengai	142	..	..	..	142	..	..
Miscellaneous	171	7,232	..	..	7,403	..	..
Total ..	634	7,232	..	..	7,866	* 1,957,629	270,716
Unreserved lands –							
Miscellaneous	1,480	52,286	..	..	53,766	..	343,559
Total, Madura ..	2,114	59,518	..	..	61,632	1,957,629	614,275
Tinnevelly.							
Reserved forests –							
Teak	685	..	..	..	685	..	..
Miscellaneous	† 5,545	49,153	..	..	54,698	..	..
Total ..	6,230	49,153	..	..	55,383	17,815	699,971
Unreserved lands—							
Miscellaneous	..	92	..	..	92	8,055	249,453
Total, Tinnevelly ..	6,230	49,245	..	..	55,475	25,870	949,424

ABS

NORTHERN CIRCLE.							
Reserved forests—							
Sâl (*Shorea robusta*)	944	65,844	..	..	66,788	..	..
Teak (*Tectona grandis*)	3,537	9,462	..	..	12,999	..	..
Vengai (*Pterocarpus marsupium*)	8,236	10	..	..	8,246	..	..
Maddi (*Terminalia tomentosa*) ..	3,360	.	..	..	3,360	..	..
Miscellaneous	63,923	371,594	16,801	1,311	453,629	..	..
Total ..	80,000	446,910	16,801	1,311	545,022	3,868,757	1,260,335
Reserved lands—							
Sâl (*Shorea robusta*)	79	..	..	..	79	..	..
Teak (*Tectona grandis*) ..	1,017	..	..	..	1,017	..	..
Miscellaneous	1,490	53,524	..	..	55,014	..	..
Total ..	2,586	53,524	..	..	56,110	86,100	10,749
Unreserved lands—							
Sâl (*Shorea robusta*)	1,832	60,350	..	..	62,182	..	..
Teak (*Tectona grandis*) ..	67	894	..	..	961	..	..
Vengai (*Pterocarpus marsupium*)	510	976	..	..	1,486	..	..
Maddi (*Terminalia tomentosa*) ..	445	1,405	..	..	1,850	..	..
Miscellaneous	12,825	515,504	15,156	..	543,485	..	..
Total ..	15,679	579,129	15,156	..	609,964	238,656	1,330,272
Reserved forests, Reserved lands and Unreserved lands—							
Sâl	2,855	126,194	..	..	129,049	..	..
Teak	4,621	10,356	..	..	14,977	..	..
Vengai	8,746	986	..	..	9,732	..	
Maddi	3,805	1,405	..	..	5,210	..	..
Miscellaneous	78,238	940,622	31,957	1,311	1,052,128	..	..
Grand Total, Northern Circle ..	98,265	1,079,563	31,957	1,311	1,211,096	4,193,513	2,601,356

* Excludes 66 bags of charcoal the volume in cubic feet of which has not been reported by the Collector.

† Excludes $67\frac{3}{4}$ sets of felloes and 1,012 pieces of agricultural implements the volume of which has not been reported by the Collector.

(in number, during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,228,345	2,236,211	16	107,796	..	..	107,812
..	..	343,559	397,325	..	..	..	..	..
..	..	2,571,904	2,633,536	16	107,796	..	..	107,812
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	717,786	773,169	7	‡ 2,250	..	..	2,257
..	..	257,508	257,600	..	§ 1,682	..	..	1,682
..	..	975,294	1,030,769	7	3,932	..	..	3,939

TRACT.

..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
606	257,510	5,387,208	5,932,230	2,306,780	7,061,139	133,077	20,489	9,521,485
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	96,849	152,959	600	129,667	..	..	130,267
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,568,928	2,178,892	2,570	6,145,824	..	..	6,148,394
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
606	257,510	7,052,985	8,264,081	2,309,950	13,336,630	133,077	20,489	15,800,146

‡ Excludes 105 tons and 1,456 lb. of Ithacally.

§ Excludes 152 cubic feet of bamboos the number contained in which has not been reported by the Collector and 4 tons and 1,456 lb. of Ithacally.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos.

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
							ABS.
CENTRAL CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests—							
Sandalwood	2,892	..	..	..	2,892	..	..
Red Sanders	916	..	..	..	916	..	..
Vengai	576	..	..	..	576	..	..
Miscellaneous	34,597	125,635	17,287	..	177,519	..	..
Total ..	38,981	125,635	17,287	..	181,903	2,207,310	1,606,321
Unreserved lands—							
Sandalwood	746	..	..	..	746	..	..
Miscellaneous	3,711	348,015	40,522	..	392,248	..	..
Total ..	4,457	348,015	40,522	..	392,994	269,638	2,275,513
Reserved forests and unreserved lands—							
Sandalwood	3,638	..	..	..	3,638	..	..
Red Sanders	916	..	..	..	916	..	..
Vengai	576	..	..	..	576	..	..
Miscellaneous	38,308	473,650	57,809	..	569,767	..	..
Grand Total, Central Circle ..	43,438	473,650	57,809	..	574,897	2,476,948	3,881,834
SOUTHERN CIRCLE.							
Reserved forests—							
Sandalwood	4,024	..	..	..	4,024	..	..
Teak	117,123	6,342	..	..	123,465	..	..
Rosewood	7,623	418	..	..	8,041	..	..
Ironwood	6,585	137	..	..	6,722	..	..
Vengai	24,690	477	..	..	25,167	..	..
Kiralbhogi	109	250	..	..	359	..	..
Maddi	46,994	18,361	..	..	65,355	..	..
Venteak	9,990	..	..	..	9,990	..	..
White Cedar	503	..	..	..	503	..	..
Red Cedar	361	..	..	..	361	..	..
Miscellaneous	65,035	119,236	3,847	..	188,138	..	..
Total ..	283,037	145,221	3,847	..	432,105	3,748,008	1,467,048
Reserved lands—							
Teak	79,703	363	..	..	80,066		
Rosewood	151	86	..	..	237	..	..
Ironwood	18,145	..	..	..	18,145	..	..
Vengai	3	..	..	..	3	..	..
Kiralbhogi	181	..	..	..	181	..	..
Maddi	6,152	575	..	..	6,727	..	..
Miscellaneous	3,632	395	..	250	4,277	..	..
Total ..	107,967	1,419	..	250	109,636	2,681	..
Unreserved lands—							
Teak	..	1,272	..	2,175	3,447	..	..
Rosewood	286	259	..	600	1,145	..	..
Ironwood	670	267	..	1,800	2,737	..	..
Vengai	..	140	..	125	265	..	..
Kiralbhogi	250	7,890	250	64,475	72,865	..	..
Maddi	62	1,255	25	475	1,817	..	..
White Cedar	..	1,000	..	..	1,000	..	..
Miscellaneous	2,233	73,596	1,989	26,504	104,322	..	..
Total ..	3,501	85,679	2,264	96,154	187,598	8,084	1,358,977
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	4,024	..	..	..	4,024	..	..
Teak	196,826	.,977	..	2,175	206,978	..	..
Rosewood	8,060	763	..	600	9,423	..	..
Ironwood	25,400	404	..	1,800	27,604	..	..
Vengai	24,693	617	..	125	25,435	..	..
Kiralbhogi	540	8,140	250	64,475	73,405	..	..
Maddi	53,208	20,191	25	475	73,899	..	..
Venteak	9,990	..	..	..	9,990	..	..
White Cedar	503	1,000	..	..	1,503	..	..
Red Cedar	361	..	..	..	361	..	..
Miscellaneous	70 900	193,227	5,836	26,754	296,717	..	..
Grand Total, Southern Circle ..	394,505	232,319	6,111	96,404	729,339	3,758,773	2,826,025

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
9	10	11	12	13	14	15	16	17
TRACT—*cont.*								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
200	..	3,813,831	3,995,734	156,782	13,269,871	85,400	..	13,512,053
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,545,151	2,938,145	8,217	837,317	120	..	845,654
..	..	..	..	..	..	..		..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
200	..	6,358,982	6,933,879	164,999	14,107,188	85,520	..	14,357,707
			..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,560	..	5,217,616	5,649,721	57,868	1,710,428	27,893	..	1,796,189
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
40	51	2,772	112,408	40,673	6,500	..	1,600	48,773
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,367,061	1,554,659	1,025	47,651	2,534	..	51,210
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,600	51	6,587,449	7,316,788	99,566	1,764,579	30,427	1,600	1,896,172

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
PRESIDENCY							
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests—							
Sandalwood	6,916	..	..	..	6,916	..	..
Sâl	944	65,844	..	..	66,788	..	..
Teak	120,660	15,804	..	..	136,464	..	..
Red sanders	916	..	..	..	916	..	..
Rosewood	7,623	418	..	..	8,041	..	..
Ironwood	6,585	137	..	..	6,722	..	..
Vengai..	33,502	487	..	..	33,989	..	..
Kiralbhogi	109	250	..	..	359	..	..
Maddi	50,354	18,361	..	..	68,715	..	..
Venteak	9,990	..	..	..	9,990	..	..
White cedar	503	..	..	..	503	..	..
Red cedar	361	..	..	..	361	..	..
Miscellaneous	163,555	616,465	37,935	1,311	819,266	..	..
Total ..	402,018	717,766	37,935	1,311	1,159,030	9,824,075	4,333,704
Reserved lands—							
Sâl	79	..	..	..	79	..	..
Teak	80,720	363	..	..	81,083	..	..
Rosewood	151	86	..	..	237	..	..
Ironwood	18,145	..	..	..	18,145	..	..
Vengai	3	..	..	..	3	..	..
Kiralbhogi	181	..	..	..	181	..	..
Maddi	6,152	575	..	..	6,727	..	..
Miscellaneous	5,122	53,919	..	250	59,291	..	..
Total ..	110,553	54,943	..	250	165,746	88,781	10,749
Unreserved lands—							
Sandalwood	746	..	..	..	746	..	..
Sâl	1,832	60,350	..	..	62,182	..	..
Teak	67	2,166	..	2,175	4,408	..	..
Rosewood	286	259	..	600	1,145	..	..
Ironwood	670	267	..	1,800	2,737	..	..
Vengai	510	1,116	..	125	1,751	..	..
Kiralbhogi	250	7,890	250	64,475	72,865	..	..
Maddi	507	2,660	25	475	3,667	..	..
White cedar	..	1,000	..	..	1,000	..	..
Miscellaneous	18,769	937,115	57,667	26,504	1,040,055	..	..
Total ..	23,637	1,012,823	57,942	96,154	1,190,556	516,378	4,964,762
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	7,662	..	..	..	7,662	..	..
Sâl	2,855	126,194	..	..	129,049	..	..
Teak	201,447	18,333	..	2,175	221,955	..	..
Red sanders	916	..	..	..	916	..	..
Rosewood	8,060	763	..	600	9,423	..	..
Ironwood	25,400	404	..	1,800	27,604	..	..
Vengai	34,015	1,603	..	125	35,743	..	..
Kiralbhogi	540	8,140	250	64,475	73,405	..	..
Maddi	57,013	21,596	25	475	79,109	..	..
Venteak	9,990	..	..	..	9,990	..	..
White cedar	503	1,000	..	..	1,503	..	..
Red cedar	361	..	..	..	361	..	..
Miscellaneous	187,446	1,607,499	95,602	28,065	1,918,612	..	..
Grand Total, Presidency ..	536,208	1,785,532	95,877	97,715	2,515,332	10,429,234	9,309,215
Grand Total, Presidency, 1904-05.	655,211	2,235,087	90,463	120,711	3,101,472	9,794,023	10,757,206

(in number) during the year 1905–1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
ABSTRACT.								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,366	257,510	14,418,655	15,577,685	2,521,430	22,041,438	246,370	20,489	24,829,727
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
40	51	99,621	265,367	41,273	136,167	..	1,600	179,040
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	5,481,140	6,671,696	11,812	7,030,792	2,654	..	7,045,258
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,406	257,561	19,999,416	22,514,748	2,574,515	29,208,397	249,024	22,089	32,054,025
2,933	257,577	20,811,739	23,913,211	664,076	34,911,894	190,873	21,639	35,788,482

Annual Form No. 56.

Forest Department, Madras Presidency.

Outturn of Minor Forest Produce during the year 1905-1906.

Circle.	Description of produce.	Produce removed or utilized. By Government Agency. Quantity in maunds of 25 lbs.	By Government Agency. Value.	By purchasers. Value.	By free grants. Value.	By right-holders. Value.	Total. Value.
1	2	3	4	5	6	7	8
		MDS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.	Grazing and fodder grass ..	60,388	5,279	2,46,076	162	1,309	2,52,826
	Grass (thatch, korai, tharbai, etc.).	12,629	478	849	6	..	1,333
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	8,916	6,116	57,315	..	38,450	1,01,881
	Horns, honey, wax, resin, gum, skins, etc.	455	945	2,199	..	..	3,144
	Dammer, turmeric, etc	..	..	157	..	..	157
	Tangedu, vembadam, etc., barks and fibres.	5	1	65,272	..	..	65,273
	Plumbago, stone, gravel, earth, etc.	..	..	16,006	4	..	16,010
	Leaves for platters	..	..	514	..	..	514
	Manure leaves, thorns, etc. ..	..	..	621	..	..	621
	Date and palmyra leaves ..	..	12	1,354	240	..	1,606
	Miscellaneous (inclusive of tree-owner's fees).	3,016	1,194	1,23,093	..	300	1,24,587
	Total ..	85,409	14,025	5,13,456	412	40,059	5,67,952
Central Circle.	Grazing and fodder grass ..	15,119	960	2,91,713	..	356	2,93,029
	Grass (thatch, korai, etc.) ..	..	..	221	..	..	221
	Tamarind, soapnuts, gallnuts, etc.	12,608	6,854	26,139	..	..	32,993
	Horns, honey, wax, gum, resins, etc.	476	1,867	10	..	..	1,877
	Tangedu, vembadam, etc., barks and fibres.	164	211	31,192	..	..	31,403
	Mica, stone, gravel, earth, &c.	..	..	70,135	..	..	70,135
	Manure leaves, thorns, etc. ..	9	2	13,196	..	..	13,198
	Date and palmyra leaves, stalks, etc.	..	4	1,190	140	..	1,334
	Miscellaneous	3,787	2,513	1,21,534	..	..	1,24,047
	Total ..	32,163	12,411	5,55,330	140	356	5,68,237
Southern Circle.	Grass and grazing	1,134	130	1,27,316	..	..	1,27,446
	Grass (thatch, korai, etc.) ..	..	..	2,926	3	11	2,940
	Catechu	1,917	15,315	..	..	..	15,315
	Dammer, turmeric, pepper, cardamoms, etc.	49	227	8,453	..	..	8,680
	Tamarind, soapnuts, gallnuts, etc.	9,362	6,272	3,267	..	..	9,539
	Horns, honey, wax, resins, gum, skins, etc.	820	7,114	471	..	..	7,585
	Tangedu, vembadam, etc., barks and fibres.	205	36	3,361	..	..	3,397
	Stone, gravel, earth, etc. ..	..	..	14,125	..	..	14,125
	Manure leaves, thorns, etc. ..	..	..	10,275	..	..	10,275
	Date and palmyra leaves ..	..	..	245	..	..	245
	Miscellaneous	305	347	64,666	4	595	65,612
	Total ..	13,792	29,441	2,35,105	7	606	2,65,159
Presidency total.	Grazing and fodder grass ..	76,641	6,369	6,65,105	162	1,665	6,73,301
	Grass (thatch, korai, etc.) ..	12,629	478	3,996	9	11	4,494
	Catechu	1,917	15,315	..	..	..	15,315
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	30,886	19,242	86,721	..	38,450	1,44,413
	Pepper, cardamoms, dammer, turmeric, etc.	49	227	8,610	..	..	8,837
	Horns, honey, wax, resins, gums, skins, etc.	1,751	9,926	2,680	..	..	12,606
	Tangedu, vembadam, etc., barks and fibres.	374	248	99,825	..	..	1,00,073
	Plumbago, mica, stone, gravel, earth, etc.	..	..	1,00,266	4	..	1,00,270
	Leaves for platters	..	..	514	..	..	514
	Manure leaves, thorns, etc. ..	9	2	24,092	..	..	24,094
	Date and palmyra leaves ..	..	16	2,789	380	..	3,185
	Miscellaneous (inclusive of tree-owner's fees).	7,108	4,054	3,09,293	4	895	3,14,246
	Grand Total ..	131,364	55,877	13,03,891	559	41,021	14,01,348

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1905–1906.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
			TIMBER (CUBIC FEET).		
Northern Circle.					
Ganjám	9,812	10,784	20,596	15,059	5,537
Vizagapatam	1,120	1,843	2,963	2,033	930
Gódávari	(a) 5,319	2,532	7,851	2,118 (i) 2,735	2,998
Kistna	316	391	707	527	180
Guntúr	1,459	18,438	19,897	14,730	5,167
Kurnool, East	2,342	18,394	20,736	10,029	10,707
Do. West	11,303	23,608	34,911	24,422	10,489
Bellary	7,801	21,429	29,230	19,152	10,078
Anantapur	(b) ..	846	846	345	501
Total	39,472	98,265	137,737	91,150	46,587
Central Circle.					
Cuddapah	47,754	13,639	61,393	37,363	24,030
Nellore	..	2,796	2,796	2,777	19
Chingleput	..	40	40	40	..
North Arcot	1	7,272	7,273	6,693 (i) 105 (j) 1	474
South do.	453	449	902	325 (i) 501	76
North Salem	9,258	(f) 15,249	24,507	11,758	12,749
South do.	2,206	3,993	6,199	4,425	1,774
Total	59,672	43,438	103,110	63,988	39,122
Southern Circle.					
South Canara	59,380	38,840	98,220	37,428 (i) 1,269 (j) 8,672	50,851
Malabar, North	151,558	96,275	247,833	47,411	200,422
Do. South	140,756	120,185	260,941	98,223 (i) 2,283 (j) 757 (k) 1,858 (l) 1,697	156,123
The Nilgiris	20,963	23,086	44,049	32,281	11,768
Coimbatore, North	12,016	13,628	25,644	12,265	13,379
Do. South	107,744	(g) 95,550	203,294	72,577 (j) 1,696 (m) 8,171	120,850
Madura	580	2,114	2,694	2,147	547
Tinnevelly	(c) 4,235	6,230	10,465	3,250	7,215
Total	497,232	395,908	893,140	331,985	561,155
Grand Total	596,376	537,611	1,133,987	487,123	646,864
			FUEL (CUBIC FEET).		
Northern Circle.					
Ganjám	44,624	11,395	56,019	55,051	968
Vizagapatam	(d) 7,833	185,429	193,262	167,132	26,130
Gódávari	(e) 190,961	337,081	528,042	373,456 (i) 2,106 (j) 136	152,344
Kistna	24,700	203,625	228,325	177,454	50,871
Guntúr	126,150	260,625	386,775	214,455	172,320
Kurnool, East	738,040	1,086,511	1,824,551	1,373,925	450,626
Do. West	608,868	(h) 1,355,436	1,964,304	1,270,571	693,733
Bellary	761,517	492,403	1,253,920	356,152 (j) 23,009	874,759
Anantapur	189,249	261,008	450,257	226,624	223,633
Total	2,691,942	4,193,513	6,885,455	4,240,071	2,645,384

(a) Variation in the opening balance is due to excess found on remeasurement.

(b) Revised figure. Excludes 2,000 pieces of agricultural implements. 4,582 pieces were received and 5,477 were disposed of during the year.

(c) Excludes 3,336 poles the volume of which has not been reported. $67\frac{3}{4}$ sets of felloes and 1,012 pieces of agricultural implements were received during the year. $27\frac{1}{6}$ sets and 1,650 pieces were disposed of, leaving a balance of $40\frac{7}{12}$ sets and 2,698 pieces.

(d) Excludes 740 kunchams and 1,327 lbs. of charcoal. 9,305 kunchams were received during the year and 8,410 kunchams and 1,327 lbs. were disposed of leaving a balance of 1,635 kunchams.

(e) Revised figure. (f) The Collector's figure is 12,673 ; but the figure in Form 55 has been adopted.

(g) Includes 1,353 cubic feet transferred from South Malabar and 50 c. ft. from North Coimbatore.

(h) The Collector's figure is 1,350,200 ; but the figure in Form No. 55 has been adopted.

(i) Used departmentally. (j) Written off. (k) Transferred to South Coimbatore.

(l) Removed from the stock not having been actually seized. (m) Wastage in saving.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1905–1906—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
FUEL (CUBIC FEET)—*cont.*					
Central Circle.					
Cuddapah	170,648	171,761	342,409	206,342 (*a*) 80,508	55,559
Nellore	101,387	607,497	708,884	539,540	169,344
Chingleput	58	50,038	50,096	39,043	11,053
North Arcot	102,291	543,649	645,940	439,111 (*b*) 495 (*a*) 24,994 (*c*) 2,578 (*d*) 85	178,677
South do.	12,412	77,231	89,643	68,172 (*b*) 3,991	17,480
North Salem	8,007	176,349	184,356	121,916	62,440
South do.	139,057	350,048	489,105	309,671	179,434
Trichinopoly	36,619	447,975	484,594	402,732 (*a*) 8,372	73,490
Tanjore	84	52,400	52,484	35,366	17,118
Total	570,563	2,476,948	3,047,511	2,282,916	764,595
Southern Circle.					
South Canara	167,485	400,780	568,265	233,459 (*b*) 79 (*a*) 2,388	332,339
North Malabar	..	10,301	10,301	..	10,301
South Do.	113,877	32,860	146,737	110,313 (*a*) 35,843	581
The Nilgiris	304,833	386,650	691,483	341,222	350,261
North Coimbatore	8,570	118,811	127,381	81,743	45,638
South Do.	165,876	825,872 (*e*) 70,768 (*f*) 38,583	1,101,099	604,270 (*g*) 76,350	420,479
Madura	4,773	(*h*) 1,957,629	1,962,402	1,949,791 (*a*) 4,773	7,838
Tinnevelly	486	25,870	26,356	15,203	11,153
Total	765,900	3,868,124	4,634,024	3,455,434	1,178,590
Grand Total	4,028,405	10,538,585	14,566,990	9,978,421	4,588,569
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	1,520	262,527	264,047	262,478	1,569
Vizagapatam	10,094	660	10,754	10,338	416
Gódávari	150	3,170	3,320	(*b*) 2,670	650
Kurnool, East	..	564,447	564,447	541,363	23,084
Do. West	60,348	1,450,024	1,510,372	1,486,665	23,707
Bellary	..	600	600	350	250
Anantapur	..	28,522	28,522	6,229	22,293
Total	72,112	2,309,950	2,382,062	2,310,093	71,969
Central Circle.					
Cuddapah	..	1,100	1,100	(*b*) 575	525
Chingleput	..	4	4	4	..
North Arcot	..	3,280	3,280	(*b*) 3,280	..
South do.	..	1,684	1,684	723 (*b*) 890	71
North Salem	194	156,188	156,382	132,216	24,166
South do.	..	90	90	90	..
Trichinopoly	..	2,653	2,653	2,183	470
Total	194	164,999	165,193	139,961	25,232

(*a*) Written off. (*b*) Used departmentally.
(*c*) Loss by conversion into charcoal. (*d*) Transferred to timber.
(*e*) Transferred from the Nilgiris for sale in this district.
(*f*) Transferred from North Coimbatore for sale in this district.
(*g*) Dryage and wastage.
(*h*) Excludes 66 bags of charcoal, of these 12 bags were disposed of, leaving, a balance of 54 bags.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1905–1906—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
BAMBOOS (NUMBER)—*cont.*					
Southern Circle.					
South Canara	11,036	6,588	17,624	10,463 * 1,351 † 141	5,669
Malabar (North)	..	14,585	14,585	76	14,509
Do. (South)	8,000	50,734	58,734	41,435 * 3,779	13,520
Coimbatore (North)	..	26,120	26,120	17,620	8,500
Do. (South)	179	1,516	1,695	1,135	560
Madura	..	16	16	14	2
Tinnevelly	1,773	7	1,780	803	977
Total ..	20,988	99,566	120,554	76,817	43,737
Grand Total ..	93,294	2,574,515	2,667,809	2,526,871	140,938
MINOR PRODUCE (MAUNDS OF 25 LBS.).					
Northern Circle.					
Ganjám	330	..	330	..	330
Vizagapatam	2,108	3,808	5,916	5,836	80
Godávari	..	8,821	8,821	* 8,821	..
Kistna	287	68	355	90	265
Guntúr	14,641	41,089	55,730	12,852	42,878
Kurnool, East	‡ 3,148	6,726	9,874	2,621	7,253
Do. West	1,717	7,108	8,825	7,108	1,717
Bellary	16,359	17,784	34,143	11,071	23,072
Anantapur	1,585	5	1,590	1,590	..
Total ..	40,175	85,409	125,584	49,989	75,595
Central Circle.					
Cuddapah	2,236	644	2,880	2,282	598
Nellore	6,032	5,761	11,793	10,564	1,229
Chingleput	..	1,154	1,154	..	1,154
North Arcot	901	9,699	10,600	10,278 * 1 † 11	310
South do.	1,645	1,932	3,577	2,415	1,162
North Salem	2,245	10,383	12,628	3,938	8,690
South do.	3,505	2,298	5,803	2,102	3,701
Trichinopoly	232	277	509	509	..
Tanjore	12	15	27	12	15
Total ..	16,808	32,163	48,971	32,112	16,859
Southern Circle.					
South Canara	106	2,101	2,207	1,854 * 79	274
Malabar (North)	144	1,062	1,206	1,087	119
Do. (South)	2	4	6	5	1
The Nilgiris	2,848	1,635	4,483	3,940	543
Coimbatore (North)	21,705	5,342	27,047	23,488	3,559
Do. (South)	2,753	3,520	6,273	5,457 † 286	530
Tinnevelly	..	128	128	120	8
Total ..	27,558	13,792	41,350	36,316	5,034
Grand Total ..	84,541	131,364	215,905	118,417	97,488

* Used departmentally. † Written off. ‡ Revised figure.

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

STATEMENT showing the value of Timber and other Produce at sale depots for the year 1905–1906.

District.	Description of timber or produce.	On hand at commencement of the year. Number.	Cubic feet.	Value.	On hand at close of the year. Number.	Cubic feet.	Value.	Difference in value. In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám	Sál	..	8,324	2,081	..	1,946	486	..	1,595
	Miscellaneous	..	57	4		23	2	..	2
	Total, Timber	..	8,381	2,085	..	1,969	488	..	1,597
	Fuel	..	1,604	140	..	368	29	..	111
	Bamboos	1,520	..	9	1,569	..	10	1	..
Vizagapatam.	Sál	..	..	..	..	132	264	264	..
	Yegisa (Vengai)	..	..	..	..	48	2	2	..
	Miscellaneous	..	1,120	348	..	750	508	162	..
	Total, Timber	..	1,120	348	..	930	776	428	..
	Fuel	..	7,833	516	..	26,130	* 840	324	..
	Bamboos	10,094	..	22	416	..	1	..	21
	Minor produce	MDS. 2,108	..	221	MDS. 80	..	400	179	..
Gódávari	Teak	..	3,033	1,516	..	466	233	..	1,283
	Maddi	..	252	63	..	..	..	..	63
	Vengai	..	..	..	..	510	127	127	..
	Miscellaneous	..	2,034	445	..	2,022	443	.	2
	Total, Timber	..	5,319	2,024	..	2,998	803	..	1,221
	Fuel	..	190,961	10,051	..	152,344	8,018	..	2,033
	Bamboos	150	..	5	650	..	22	17	..
Kistna	Timber	..	316	115	..	180	80	..	35
	Fuel	..	14,959	1,330	..	36,566	3,153	1,823	..
	Minor produce	MDS. 287	..	151	MDS. 265	..	142	..	9
Guntúr	Timber	..	689	129	..	4,853	2,278	2,149	..
	Fuel	..	67,287	11,776	..	120,842 † 96	4,770 24	..	6,982
	Minor produce	..	..	..	MDS. 4,691	..	576	576	..
Kurnool, East	Miscellaneous timber	..	2,342	1,171	..	10,707	8,086	6,915	..
	Fuel	..	738,040	42,733	..	450,626	26,062	..	16,671
	Bamboos	..	..	..	23,084	..	460	460	..
	Minor produce	MDS. 3,496	..	2,149	MDS. 7,253	..	5,639	3,490	..
Kurnool, West.	Miscellaneous timber	..	11,303	5,652	..	10,489	5,245	..	407
	Fuel	..	608,868	35,816	..	693,733	40,820	5,004	..
	Minor produce	MDS. 1,717	..	507	MDS. 1,717	..	507	..	..
Bellary	Teak	..	513	28	..	1,726	717	689	..
	Miscellaneous	..	3,365	350	..	2,738	171	..	179
	Total timber	..	‡ 3,878	378	..	4,464	888	510	..
	Fuel	..	330,569	19,873	..	658,940	37,880	18,007	..
	Bamboos	540	..	10	250	..	6	..	4
	Minor produce	MDS. 3,085	..	185	MDS. 15,795	..	2,150	1,965	..
Anantapur	Timber	..	560	§ ..	..	‖ 501	§ ..	..	..
	Fuel	..	189,249	13,915	..	223,633	12,423	..	1,492
	Minor produce	MDS. 1,578	..	82	..	..	..	..	82
	Bamboos	..	..	..	22,293	..	§ ..	..	..

* Includes the value of 1,635 Kunchams of charcoal.
† Charcoal.
‡ The Collector has not explained the variation in the opening balance.
§ Value not reported.
‖ Excludes 1,105 pieces of agricultural implements, the volume and value of which have not been reported by the Collector.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Central Circle.			RS.			RS.	RS.	RS.
Cuddapah	Timber	..	47,754	11,315	..	24,030	6,007	..	5,308
	Fuel	..	170,648	5,126	..	55,559	1,736	..	3,390
	Bamboos	..	..	..	525	..	5	5	..
	Minor produce	MDS. 2,236	..	1,741	MDS. 598	..	515	..	1,226
Nellore	Timber	..	..	..	..	19	1	1	..
	Fuel	..	101,387	5,543	..	169,344	10,876	5,333	..
	Minor produce	MDS. 6,032	..	2,876	MDS. 1,229	..	696	..	2,180
Chingleput.	Fuel	..	58	7	..	11,053	917	910	..
	Minor produce	..	..	..	MDS. 1,154	..	.. *	..	..
North Arcot.	Red Sanders	..	..	..	..	131	59	..	..
	Sandalwood	..	..	..	..	† ..	3	..	
	Miscellaneous	..	1	..	..	337	798	..	..
	Total, Timber	..	1	..	..	468	860	860	..
	Fuel	..	68,585	4,601	..	74,073	5,099	498	..
	Minor produce	MDS. 632	..	278	MDS. 160	..	560	282	..
North Salem.	Timber ‡	..	9,258	6,280	..	10,173	6,750	470	..
	Fuel	..	8,007	166	..	62,440	8,360	8,194	..
	Bamboos	194	..	24	24,166	..	901	877	..
	Minor produce	MDS. 2,245	..	210	MDS. 8,690	..	3,042	2,832	..
South Salem.	Sandalwood	..	83	498	..	121	1,089	..	..
	Vengai	..	..	..	..	438	766	..	..
	Miscellaneous	..	2,123	707	..	1,215	607	..	..
	Total, Timber	..	2,206	1,205	..	1,774	2,462	1,257	..
	Fuel	..	139,057	11,208	..	179,434	12,952	1,744	..
	Minor produce	MDS. 3,505	..	185	MDS. 3,701	..	90	..	95
Trichinopoly.	Fuel	..	36,619	4,722	..	73,490	7,050	2,328	..
	Bamboos	..	..	..	473	..	29	29	..
	Minor produce	MDS. 232	..	159	..	..	..	..	159
Tanjore	Fuel	..	84	2	..	17,118	855	853	..
	Minor produce	MDS. 12	..	8	MDS. 15	..	12	4	..
	Southern Circle.								
South Canara.	Miscellaneous timber	..	11,330	6,636	..	7,690	4,898	..	1,738
	Fuel	..	..	..	..	32,478	2,896	2,896	..
	Bamboos	150	..	15	191	..	18	3	..
	Minor produce	MDS. 57	..	903	MDS. 17	..	84	..	819
North Malabar.	Teak	..	89,737	50,477	..	109,177	86,080	..	..
	Vengai	..	32,032 67	18,018 2	..	31,629	15,748	..	..
	Rosewood	..	3,961	2,238	..	6,766	4,228	..	..
	Matti	..	16,075 409	5,024 290	.. ..	35,070 121	8,767	..	..
	Benteak	..	1,318	577	..	6,814	3,407	..	..
	Ironwood	..	1,502	1,068	..	4,074	2,035	..	..
	Red Ceder	..	..	..	..	361	150	..	..
	White Ceder	..	..	..	..	428	200	..	..
	Irubhogam	..	..	..	..	1,845	900	..	..
	Miscellaneous	..	6,457	4,031	..	4,136	2,045	..	..
	Total, Timber	..	151,558	82,725	..	200,421	123,560	40,835	..
	Fuel	..	..	..	..	10,301	500	500	..
	Bamboos	..	..	..	14,509	..	700	700	..
	Minor produce	MDS. 144	..	1,130	MDS. 1,191	..	410	..	720

* Value not reported. † Below one cubic foot. ‡ Includes sandalwood.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in va	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Southern Circle—cont.			RS.			RS.	RS.	RS.
South Malabar.	Teak	..	59,167	90,000	..	84,486	125,700	..	..
	Rosewood ..	..	1,099		..	689		..	..
	Ironwood ..	..	44,657		..	42,839		..	..
	Maddi	..	6,626		..	12,226		..	..
	Hopea	..	181		..	10		..	..
	Vengai	..	..		..	275		..	..
	Miscellaneous ..	..	29,026		..	15,598		..	..
	Total, Timber..	..	140,756	90,000	..	* 156,123	125,700	35,700	..
	Fuel	..	113,877	4,286	..	581	32	..	4,254
	Bamboos ..	8,000	..	320	13,520	..	540	220	..
	Minor produce ..	MDS. 2	..	31	MD. 1	..	164	133	..
The Nilgiris.	Teak	..	610	2,135	..	342	1,024	..	..
	Vengai	..	4	6	..	..	..	..	..
	Total, Timber..	..	614	2,141	..	342	1,024	..	1,117
	Fuel	..	25,998	2,601	..	18,438	1,446	..	1,155
	Minor produce ..	MDS. 34	..	187	MDS. 65	..	66	..	121
North Coimbatore.	Sandalwood ..	..	2,719	27,487	..	1,938	18,523	..	..
	Vengai	..	6,090	4,568	..	6,503	4,876	..	..
	Teak	..	2	2	..	735	735	..	..
	Rosewood ..	..	30	30	..	2,236	2,235	..	..
	Karimarudu or Maddi.	..	..	..	..	266	198	..	..
	Miscellaneous ..	..	† 3,026	2,169	..	1,701	1,166	..	..
	Total, Timber ..	..	11,867	34,256	..	13,379	27,733	..	6,523
	Fuel	..	8,570	946	..	45,638	2,535	1,589	..
	Bamboos.. ..	..	..	..	8,500	..	383	383	..
	Minor produce ..	MDS. 21,705	..	12,520	MDS. 3,559	..	5,441	..	7,079
South Coimbatore.	Teak	..	7,207	18,767	..	10,690	‖ 21,503	..	..
	Rosewood ..	..	853	1,359	..	454	885	..	..
	Ironwood ..	..	658	357	..	177	105	..	..
	Vengai	..	2,035	1,845	..	3,694	3,354	..	..
	Karimarudu ..	..	2,954	2,298	..	3,253	2,431	..	..
	White cedar ..	..	1,041	748	..	535	397	..	..
	Red cedar ..	..	..	..	..	308	230	..	..
	Venteak	..	..		..	51	48	..	..
	Miscellaneous ..	..	18,040	11,660	..	17,770	¶ 11,572	..	..
	Total, Timber ..	..	32,788	37,034	..	36,932	40,525	3,491	..
	Fuel	..	35,698	2,539	..	§ 20,347	3,659	1,120	..
	Bamboos ..	179	..	6	‡ 572	..	27	21	..
	Minor produce ..	MDS. 311	..	870	211	..	863	..	7
Madura ..	Timber	..	580	1,739	..	547	134	..	1,605
	Fuel	..	4,773	382	..	7,838	627 ** 27	245 27	..
	Bamboos ..	..	..	..	2	..	..	..	..
Tinnevelly ..	Teak	..	488	†† 3,262 1,525	..	866	‡‡ 800 1,750	..	..
	Miscellaneous ..	..	3,747	1,788	..	6,349	1,146 §§ 328	..	..
	Total, Timber..	..	4,235	6,575	..	7,215	4,024	..	2,551
	Fuel	..	486	25	..	11,153	631	606	..
	Bamboos ..	1,773	..	887	977	..	200	..	687
	Minor produce ..	..	..	..	MDS. 8	..	24	24	..

* The major portion of this wood consists of plantation teak logs and timber obtained from selection fellings in Kariem and Muriem forests.

† Revised figure.

‡ Form No. 57 shows only 560 bamboos. The discrepancy has not been explained.

§ Includes Rs. 162, the value of 265 bags of charcoal.

‖ Includes Rs. 2,063 being the value of the 2,942 door frames, window frames, spokes and felloes, the volume of which has not been reported.

¶ Includes Rs. 266 being the value of 141 door frames, etc., the volume of which is not known.

** Value of 54 bags of charcoal.

†† Value of 3,336 teak poles, the volume of which has not been reported.

‡‡ Value of 2,185 do. do. do.

§§ Value of 513 pieces and $40\frac{7}{12}$ sets of agricultural implements.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				ABSTRACT.					
				RS.			RS.	RS.	RS.
Northern Circle.	Timber	..	33,908	11,902	..	37,091	18,644	6,742	..
	Fuel	..	2,149,370	1,36,150	..	2,363,278	1,34,019	..	2,131
	Bamboos ..	12,30	..	46	48,262	..	499	453	..
		MDS.			MDS.				
	Minor produce ..	12,271	..	3,295	29,801	..	9,414	6,119	..
Central Circle.	Timber	..	59,219	18,800	..	36,464	16,080	..	2,720
	Fuel	..	524,445	31,375	..	642,511	47,845	16,470	..
	Bamboos ..	194	..	24	25,164	..	935	911	..
		MDS.			MDS.				
	Minor produce ..	14,894	..	5,457	15,547	..	4,915	..	542
Southern Circle.	Timber	..	353,728	2,61,106	..	422,649	3,27,598	66,492	..
	Fuel	..	189,402	10,779	..	146,774	12,353	1,574	..
	Bamboos ..	10,102	..	1,228	38,271	..	1,868	640	..
		MDS.			MDS.				
	Minor produce ..	22,253	..	15,641	3,980	..	7,052	..	8,589
Grand Total, Presidency.	Timber	..	446,855	2,91,808	..	496,204	3,62,322	70,514	..
	Fuel	..	2,863,217	1,78,304	..	3,152,563	1,94,217	15,913	..
	Bamboos ..	22,600	..	1,298	111,697	..	3,302	2,004	..
		MDS.			MDS.				
	Minor produce ..	49,418	..	24,393	49,328	..	21,381	..	3,012
	Total value ..	..	..	4,95,803	..	..	5,81,222	85,419	..

ANNUAL

SUMMARY of Revenue of the different districts

Budget heads.	Northern						
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.
1	2	3	4	5	6	7	8
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—							
(*a*) Timber	..	1,906	1,285	292	267	2,211	16,949
(*b*) Firewood and charcoal	..	3,420	7,446	19,642	14,798	23,772	21,218
(*c*) Bamboos	..	2,215	53	..	..	..	25,581
(*d*) Sandalwood	..	..	..	..	..	..	..
(*e*) Grass and other minor produce ..	..	..	420	..	165	954	1,225
II. Timber and other produce removed from the forests by consumers or purchasers—							
(*a*) Timber	..	23,085	5,669	25,451	3,530	6,286	11,238
(*b*) Firewood and charcoal	..	4,284	3,454	9,176	12,216	9,254	4,369
(*c*) Bamboos	..	6,147	13,044	54,488	2,774	..	1
(*d*) Grazing and fodder grass ..	..	11,068	4,755	19,302	22,977	57,221	22,858
(*e*) Other produce	..	2,842	12,983	31,138	11,196	15,040	22,371
(*f*) Tree owners' fees	..	607	296	3,459	5,883	5,679	18,598
III. Confiscated drift and waifwood	..	255	42	5,595	105	52	543
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..
V. Miscellaneous—							
(*a*) Fines and forfeitures	..	22	..	300	141	..	42
(*b*) Other sources	30	1,139	1,802	2,697	2,152	6,390	4,900
Total, Receipts ..	30	56,990	51,249	1,71,540	76,204	1,26,859	1,49,893

Budget heads.	Central Circle—*cont.*					
	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	20	21	22	23	24	25
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(*a*) Timber	40	7,564	1,204	..	..	38,705
(*b*) Firewood and charcoal	2,904	23,028	24,427	44,968	1,883	1,75,522
(*c*) Bamboos	23	3,467	11	250	..	3,752
(*d*) Sandalwood	67	3,051	1,528	..	..	70,855
(*e*) Grass and other minor produce ..	123	838	80	274	9	9,715
II. Timber and other produce removed from the forests by consumers or purchasers—						
(*a*) Timber	9,112	3,064	3,877	1,515	757	40,694
(*b*) Firewood and charcoal	33,358	2,075	5,133	12,589	8,691	1,20,696
(*c*) Bamboos	3,009	9,562	18,506	1,177	320	67,394
(*d*) Grazing and fodder grass ..	45,000	35,408	24,184	19,159	886	2,89,583
(*e*) Other produce	29,588	9,730	14,567	17,277	6,582	2,33,253
(*f*) Tree owners' fees	2,043	2,240	376	1	68	25,415
III. Confiscated drift and waifwood	520	30	181	91	3	4,874
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(*a*) Fines and forfeitures	1,088	113	391	31	1	2,670
(*b*) Other sources	911	5,592	9,209	8,334	3,521	40,557
Total, Receipts ..	1,27,786	1,05,762	1,03,674	1,05,666	22,721	11,23,685

(*a*) Actuals for three months

	RS.
* On account of Cuddapah	4,863
On account of North Malabar ..	8,833
On account of South Coimbatore ..	1,791
Total ..	15,487

	RS.
† On account of Nellore	22,826
On account of North Arcot	3,717
On account of North Salem	550
On account of Vizagapatam	1,843
Total ..	28,936

	RS.
‡ On account of North Salem	11,397
On account of North Coimbatore ..	28,000
Total ..	39,397

§ On account of Nellore.

	RS.
‖ On account of Nellore	20,873
On account of Vizagapatam ..	675
Total ..	21,548

FORM No. 59.

for the Forest year 1905–1906.

Circle.				Central Circle.						
Kurnool, East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah, South.	Cudda-pah, North.	Cudda-pah, West.	Chingle-put.	North Arcot.
9	10	11	12	13	14	15	16	17	18	19
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8,449	1,596	180	33,135	* 15,487	177	11,911	735	223	8	1,356
79,402	22,385	3,054	1,95,137	† 28,936	10,326	5,443	266	168	2,888	30,285
10,961	8	246	39,064	..	..	1	..	..	..	..
..	..	..	..	‡ 39,397	..	..	..	..	..	26,812
1,815	1,492	2	6,073	§ 3,729	1,356	2,401	..	65	..	840
606	10,978	4,506	91,349	..	2,740	9,178	396	724	1,632	7,699
1,257	6,902	2,552	53,464	‖ 21,548	4,055	12,481	639	547	7,374	12,206
1,446	2,714	139	80,753	¶ 1,500	28	7,376	411	646	33	24,826
36,818	48,016	22,923	2,45,938	..	48,478	62,945	45	849	9,033	43,596
2,873	28,307	43,997	1,70,747	** 39,363	24,592	49,448	2,009	3,095	9,159	27,843
4,290	30,178	14,685	83,675	..	3,057	7,413	32	459	2,726	7,000
300	129	209	7,230	..	1,937	539	4	6	89	1,474
..	..	..	..	..	..	..	..	..	..	..
..	850	807	2,162	§ 219	417	103	..	1	34	272
5,439	4,394	1,584	30,527	†† 7,609	3,499	547	7	15	348	965
1,53,656	1,57,949	94,884	10,39,254	‡‡1,57,788	1,00,662	1,69,786	(*a*)4,544	(*a*)6,798	33,324	1,85,174

Southern Circle.									
Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinne-velly.	North Malabar.	South Malabar.	South Canara.	Total.
26	27	28	29	30	31	32	33	34	35
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	14,652	2,648	59,320	6	2,690	11,517	45,900	9,188	1,45,921
..	16,876	3,981	34,819	97,917	1,601	2	4,022	19,874	1,79,092
..	..	358	63	..	239	38	1,394	441	2,533
..	2,490	33,516	..	..	..	..	..	..	36,006
..	1,961	15,233	2,654	..	324	3,364	66	14,610	38,212
..	1,475	5,037	3,929	13,821	906	672	4,012	6,910	36,762
..	2,928	6,711	6,066	37,412	46,526	55	..	11,689	1,11,387
..	2,654	11,571	8,143	3,369	1,168	298	362	1,453	29,018
..	9,546	59,321	10,642	31,210	6,390	2,775	64	7,368	1,27,316
..	1,022	8,025	7,220	28,578	29,817	3,312	2,091	16,978	97,043
..	..	35	..	6	..	..	2	3,278	3,321
..	68	652	244	287	1,427	58	1,111	2,510	6,357
..	..	..	..	..	..	..	..	..	..
22	..	51	21	510	428	10	10	253	1,305
160	5,686	5,045	16,824	13,653	3,415	4,895	1,935	8,067	59,680
182	59,358	1,52,184	1,49,945	2,26,769	94,931	26,996	60,969	1,02,619	8,73,953

only from April to June 1906.

¶ On account of North Arcot.

**	RS.
On account of Nellore ..	38,525
On account of Chingleput ..	813
On account of South Coimbatore	25
Total ..	39,363

††	RS.
Direction ..	17
Nellore	3,918
North Arcot ..	2
South Salem ..	1,092
Bellary	480
South Coimbatore	2,100
Total ..	7,609

‡‡	RS.
On account of Northern Circle.	2,998
On account of Central Circle ..	1,14,041
On account of Southern Circle.	40,749
Total ..	1,57,788

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1905-1906.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—REFUNDS AND DRAWBACKS.	..	19	16	597	340	1,084	984	228	930	175	4,373
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber	..	260	310	..	119	1,275	9,370	9,222	755	325	21,636
(*b*) Firewood and charcoal ..	..	778	7,420	10,525	11,287	11,371	19,804	32,829	12,810	3,335	1,10,159
(*c*) Bamboos ..	..	1,178	..	..	..	..	15,066	6,866	37	151	23,298
(*d*) Sandalwood ..	..	..	..	..	..	..	..	..	..	..	..
(*e*) Grass and other minor produce.	..	..	82	..	107	3,063	2,999	4,886	1,986	..	13,123
II. Timber and other produce removed from the forests by consumers or purchasers	..	6,144	4,882	14,624	2,526	1,578	11,641	7,474	4,505	1,997	55,371
III. Confiscated, drift and waifwood	..	32	..	1,052	15	182	266	22	1	1	1,571
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	400	..	..	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle	..	1,000	..	..	..	..	..	..	636	..	1,636
(*b*) Feed and keep of cattle	..	66	921	689	..	..	954	6,965	4,226	..	13,821
(*c*) Stores, tools and plant	1,769	283	656	1,561	143	1,660	2,232	3,185	1,701	362	13,552
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	126	183	4,554	208	481	858	1,207	40	839	8,496
(*b*) Buildings ..	100	2,707	936	7,520	951	4,937	11,842	7,665	414	5,491	42,563
(*c*) Other works ..	..	493	130	799	489	266	24	254	560	76	3,091
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	1,883	34	1,346	633	1,933	819	1,640	1,257	2,037	11,582
(*b*) Cost of forest settlement; compensation for land and rights.	3,775	258	..	..	..	95	1,803	573	53	1,277	7,834
(*c*) Surveys—											
(1) Local ..	..	435	..	1,439	611	1,025	1,109	191	560	345	5,715
(2) India ..	39,131	..	..	..	..	..	..	..	..	..	39,131
(*d*) Working plans ..	..	8	..	288	..	..	12	..	20	..	328
(*e*) Sowing and planting	2,122	1,445	143	5,874	3,276	2,036	14,925	2,517	813	2,203	35,354
(*f*) Protection from fire	..	2,813	199	7,451	434	137	2,618	10,076	1,313	893	25,934
(*g*) Other works ..	..	5	..	145	2,832	5,222	56	1	16,728	3,521	28,510
IX. Miscellaneous—											
(*a*) Law charges ..	..	..	..	1	..	..	..	..	..	..	1
(*b*) Other charges ..	3	12	91	50	103	95	218	26	20	38	656
Total, A. Conservancy and Works	46,900	19,945	16,403	58,515	24,074	36,440	97,600	95,827	59,365	23,066	4,78,135

MADRAS,
1st *September* 1906.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1905–1906—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah, South.	Cuddapah, North.	Cuddapah, West.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. REFUNDS AND DRAWBACKS.	..	1,693	210	..	..	5	463	1,964	806	210	354	1,546	7,251
A. Conservancy and Works.													
I. Timber and other produce removed from the forests by Government Agency—													
(a) Timber ..	..	30	5,107	31	79	..	402	..	4,754	1,243	..	..	11,646
(b) Firewood and charcoal ..	— 203	19,189	3,125	61	25	2,839	19,698	883	24,655	23,999	34,932	1,932	1,31,135
(c) Bamboos ..	..	..	13	..	..	..	..	25	2,750	..	330	..	3,118
(d) Sandalwood ..	..	..	..	..	..	..	1,356	..	543	135	..	..	2,034
(e) Grass and other minor produce ..	..	1,598	941	20	225	23	660	80	1,354	86	19	..	5,006
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	5,460	15,638	597	920	1,177	4,042	2,016	3,298	3,967	2,532	494	40,141
III. Confiscated, drift and waifwood	..	..	7	..	..	..	105	..	5	3	6	..	126
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	100	..	..	..	100
VI. Live-stock, stores, tools and plant—													
(a) Purchase of cattle ..	..	..	..	..	..	..	300	..	..	..	..	..	300
(b) Feed and keep of cattle ..	..	..	..	..	..	..	302	..	..	..	..	..	302
(c) Stores, tools and plant ..	36	1,503	336	..	..	93	330	62	1,244	597	185	157	4,543
VII. Communications and buildings—													
(a) Roads and bridges ..	..	..	1,325	748	..	548	2,042	264	1,501	2,860	544	..	9,832
(b) Buildings .	12	2,297	2,619	14	212	1,550	4,505	2,800	3,220	2,578	1,076	17	20,900
(c) Other works ..	..	460	181	..	12	19	139	41	2,399	153	28	..	3,432
VIII. Demarcation, improvement and extension of forests—													
(a) Demarcation ..	..	380	643	..	19	1,239	547	698	453	1,200	1,516	..	6,695
(b) Cost of forest settlement; compensation for land and rights ..	..	9	258	29	..	..	30	..	..	633	..	..	959
(c) Surveys—													
(1) Local ..	296	365	300	..	30	437	366	237	1,451	1,145	356	6	4,989
(2) India ..	1,903	..	..	..	..	..	..	..	..	..	..	..	1,903
(d) Working plans.	..	95	43	..	..	6	..	76	30	504	..	..	754
(e) Sowing and planting ..	— 243	10,216	983	26	61	620	3,191	2,397	326	477	2,227	1,448	21,729
(f) Protection from fire	..	1,306	4,967	425	713	464	2,439	2,192	897	1,888	146	..	15,437
(g) Other works ..	..	2,115	5,698	225	209	5,603	11,993	11,284	4,279	4,945	3,446	421	50,218
IX. Miscellaneous—													
(a) Law charges ..	1	1	6	..	..	..	9	2	13	30	..	..	62
(b) Other charges ..	..	231	..	..	..	103	55	3	13	89	..	15	509
Total, A. Conservancy and Works	1,802	46,948	42,400	(a)2,176	(a)2,505	14,726	52,974	25,024	54,091	46,742	47,697	6,036	3,43,121

(a) Actuals for three months from April to June 1906.

MADRAS,
1st September 1906.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1905–1906—*cont*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. REFUNDS AND DRAWBACKS.	6	156	1,293	581	926	1,508	101	..	214	4,785
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber ..	..	2,873	1,992	27,260	..	1,496	14,213	17,359	2,388	67,581
(b) Firewood and charcoal ..	..	14,822	4,773	20,736	70,357	865	97	422	13,650	1,25,722
(c) Bamboos ..	..	..	411	133	..	1	295	927	438	2,205
(d) Sandalwood ..	..	245	7,980	..	..	— 36	..	..	..	8,189
(e) Grass and other minor produce.	..	986	4,186	2,742	..	223	1,030	4	3,013	12,184
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,228	3,400	5,684	3,741	2,431	680	..	5,350	22,514
III. Confiscated, drift and waifwood	..	1	18	92	6	2	35	88	34	276
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	13	459	..	7,472
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle ..	..	..	..	10,647	..	..	3,740	1,583	..	15,970
(b) Feed and keep of cattle ..	2	9,691	..	34,299	..	..	12,938	12,192	7,029	76,151
(c) Stores, tools and plant ..	1,957	771	887	3,709	825	605	1,696	707	6,532	17,689
VII. Communications and buildings—										
(a) Roads and bridges ..	..	2,782	6,824	2,921	5,316	5,145	4,390	1,910	241	29,529
(b) Buildings ..	..	3,909	2,673	3,274	4,888	3,148	3,970	1,268	1,941	25,071
(c) Other works ..	..	133	405	761	102	96	28	294	65	1,884
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation ..	..	1,144	878	239	6,918	600	3,360	170	1,122	14,431
(b) Cost of forest settlement; compensation for land and rights ..	..	20	289	..	..	409	5,474	451	14,853	21,496
(c) Surveys—										
(1) Local ..	220	360	360	1,589	411	360	..	370	947	4,617
(2) India ..	30,538	..	..	..	..	..	..	..	..	30,538
(d) Working plans.	448	4	..	..	..	11	3	— 30	..	436
(e) Sowing and planting ..	653	1,023	153	561	166	1,912	4,920	8,905	357	18,650
(f) Protection from fire	..	2,288	1,750	3,094	2,511	2,416	3,519	2,182	2,035	19,795
(g) Other works ..	— 100	1,271	5,708	2,259	8,721	4,211	1,664	1,112	204	25,050
IX. Miscellaneous—										
(a) Law charges ..	1	..	1	..	..	405	2	3	— 148	264
(b) Other charges ..	1,123	3,171	350	747	135	91	84	292	83	6,076
Total, A. Conservancy and Works	34,848	51,378	44,331	1,23,828	1,05,023	25,899	62,252	50,668	60,348	5,58,575

MADRAS,
1st *September* 1906.

E. S. HENSMAN,
Chief Superintendent.

SUMMARY of Expenditure of the different Districts for the Forest year 1905–1906.

SUMMARY of Expenditure of the different Districts

Budget heads.	Northern Circle.											Central			
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah, South.	Cuddapah, North.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A "Conservancy and Works."	46,900	19,945	16,403	58,515	24,074	36,440	97,600	95,827	59,365	23,066	4,78,135	1,802	46,948	42,400	2,176
Salaries—															
(*a*) Conservators ..	17,307	..	..	..	..	..	..	..	..	..	17,307	21,374	..	..	..
(*b*) Superior officers..	7,600	10,950	6,307	12,100	4,883	6,600	11,375	7,305	11,485	6,600	85,205	4,100	6,775	8,804	300
(*c*) Subordinate forest and depot establishments ..	1,003	10,568	4,472	11,917	4,311	4,768	13,718	11,893	10,531	7,634	80,815	2,016	11,798	14,452	694
(*d*) Office establishments	9,913	3,157	2,577	5,799	2,286	3,414	4,765	4,240	3,745	3,074	42,970	9,033	6,621	4,564	166
(*e*) Deputation and special allowances	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange compensation allowance	602	684	306	511	..	413	505	..	553	412	3,986	903	..	520	..
II. Travelling allowances—															
(*a*) Conservators ..	3,833	..	..	..	..	..	..	..	..	..	3,833	2,545	..	..	..
(*b*) Superior officers.	2,051	2,643	1,216	2,873	1,181	1,948	3,631	2,626	2,311	1,844	22,324	1,041	1,172	1,164	71
(*c*) Subordinate forest and depot establishments.	354	2,180	1,665	4,118	1,130	1,780	4,268	3,812	2,782	1,714	23,803	401	3,042	4,332	307
(*d*) Office establishments	1,961	495	334	1,451	602	791	945	860	688	797	8,924	1,108	639	611	47
III. Contingencies—															
(*a*) Rents, rates and taxes	251	94	426	252	147	138	453	108	161	71	2,101	76	129	293	2
(*b*) Official postage.	764	575	397	1,897	858	938	1,181	999	1,154	1,291	10,054	952	661	914	48
(*c*) Service telegrams.	342	71	38	36	56	65	64	86	219	28	1,005	83	34	39	1
(*d*) Sundries ..	1,939	1,070	820	2,777	861	1,095	1,732	1,465	1,594	723	14,076	1,286	1,682	1,017	47
Total B.—"Establishments".	47,920	32,487	18,558	43,731	16,315	21,950	42,637	33,394	35,223	24,188	3,16,403	44,918	32,553	36,710	*1,683
Grand Total of Expenditure.	94,820	52,432	34,961	1,02,246	40,389	58,390	1, 0,237	1,29,221	94,588	47,254	7,94,538	46,720	79,501	79,110	*3,859

* Actuals for three

MADRAS,
1st September 1906.

for the Forest year 1905–1906.

Circle.									Southern Circle.									
Cuddapah, West.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
2,505	14,726	52,974	25,024	54,091	46,742	47,697	6,036	3,43,121	34,848	51,378	44,331	1,23,828	1,05,023	25,899	62,252	50,668	60,348	5,58,575
..	..	..	..	..	..	..	..	21,374	17,170	..	..	..	..	..	..	..	..	17,170
800	4,800	15,599	12,600	3,728	14,177	7,628	179	79,490	15,683	12,000	11,660	10,204	8,400	9,147	12,000	2,100	7,942	89,136
1,069	6,158	15,749	10,611	7,892	9,646	8,570	1,569	90,224	6,104	10,935	10,269	14,382	11,029	10,759	7,914	6,222	10,479	88,093
410	2,170	4,360	4,315	3,141	4,339	2,940	838	42,897	9,453	4,024	4,846	4,419	3,921	3,665	3,391	2,987	4,366	41,072
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
50	..	759	675	..	431	265	50	3,653	1,080	600	575	450	488	427	675	22	488	4,805
..	..	..	..	..	..	..	..	2,545	2,708	..	..	..	..	..	..	..	..	2,708
307	727	2,706	1,464	891	2,176	1,026	221	12,966	3,861	2,770	2,678	2,051	1,504	1,500	1,200	676	1,268	17,508
279	1,444	3,907	2,249	2,507	3,189	2,720	776	25,153	3,514	2,143	3,315	3,698	5,453	3,061	1,936	2,027	3,009	28,156
169	376	621	681	548	376	552	198	5,926	1,253	219	717	674	1,169	679	635	393	584	6,323
32	25	152	134	49	45	58	6	1,001	159	136	236	352	237	286	60	49	11	1,526
71	672	1,796	2,055	1,102	1,094	609	206	10,190	824	448	1,256	866	1,195	837	520	468	1,126	7,540
14	2	66	18	66	15	55	19	412	129	42	21	91	80	76	71	74	43	627
176	1,385	569	1,125	874	1,088	807	161	10,217	1,898	644	2,116	1,192	1,137	553	940	560	745	9,785
*3,377	17,759	46,284	35,937	20,798	36,576	25,230	4,223	3,06,048	63,836	33,961	37,689	38,379	34,613	30,990	29,342	15,578	30,061	3,14,449
*5,882	32,485	99,258	60,961	74,889	83,318	72,927	10,259	6,49,169	98,684	85,339	82,020	1,62,207	1,39,636	56,889	91,594	66,246	90,409	8,73,024

months from April to June 1906.

E. S. Hensman,
Chief Superintendent

Summary of Receipts and Expenditure during 1905–1906 for each circle and for the Presidency compiled in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1905–1906.	Grand Total, Presidency. 1904–1905.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	33,135	28,081	1,56,545	2,17,761	2,07,831
(b) Firewood and charcoal	1,96,980	1,73,679	1,79,092	5,49,751	4,23,664
(c) Bamboos	39,064	3,752	2,533	45,349	5,121
(d) Sandalwood	..	42,855	64,006	1,06,861	27,411
(e) Grass and other minor produce	6,073	9,715	38,212	54,000	42,959
Total, I	2,75,252	2,58,082	4,40,388	9,73,722	7,06,986
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	91,349	40,694	36,762	1,68,805	1,96,429
(b) Firewood and charcoal	54,139	1,20,021	1,11,387	2,85,547	3,65,682
(c) Bamboos	80,753	67,394	29,018	1,77,165	1,98,739
(d) Grazing and fodder grass	2,45,938	2,89,583	1,27,316	6.62,837	6,27,474
(e) Other produce	1,70,747	2,33,228	97,068	5,01,043	4,92,501
(f) Tree-owners' fees	83,675	25,415	3,321	1,12,411	1,01,596
Total, II	7,26,601	7,76,335	4,04,872	19,07,808	19,82,421
III. Confiscated drift and waifwood	7,230	4,874	6,357	18,461	13,171
V. Miscellaneous—					
(a) Fines and forfeitures	2,162	2,670	1,305	6,137	6,022
(b) Other sources	31,007	37,977	61,780	1,30,764	1,21,942
Total, V	33,169	40,647	63,085	1,36,901	1,27,964
Grand Total, Receipts	10,42,252	10,79,938	9,14,702	30,36,892	28,30,542
EXPENDITURE.					
I. Refunds and drawbacks	4,373	7,251	4,785	16,409	15,023
A.—Conservancy and Works.					
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	21,636	11,646	67,581	1,00,863	93,012
(b) Firewood and charcoal	1,10,159	1,31,135	1,25,722	3,67,016	3,11,437
(c) Bamboos	23,298	3,118	2,205	28,621	6,169
(d) Sandalwood	..	2,034	8,189	10,223	5,556
(e) Grass and other minor produce	13,123	5,006	12,184	30,313	30,821
Total, A-I	1,68,216	1,52,939	2,15,881	5,37,036	4,46,995
II. Timber and other produce removed from the forests by consumers or purchasers	55,371	40,141	22,514	1,18,026	1,18,415
III. Confiscated drift and waifwood	1,571	126	276	1,973	1,382
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	100	7,472	17,972	22,118
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	1,636	300	15,970	17,906	10,425
(b) Feed and keep of cattle	13,821	302	76,151	90,274	69,146
(c) Stores, tools and plant	13,552	4,543	17,689	35,784	29,403
Total, A-VI	29,009	5,145	1,09,810	1,43,964	1,08,974
VII. Communications and buildings—					
(a) Roads and bridges	8,496	9,832	29,529	47,857	41,650
(b) Buildings	42,563	20,900	25,071	88,534	70,747
(c) Other works	3,091	3,432	1,884	8,407	13,691
Total, A-VII	54,150	34,164	56,484	1,44,798	1,26,088
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	11,582	6,695	14,431	32,708	32,927
(b) Cost of forest settlement, compensation for land and rights	7,834	959	21,496	30,289	10,380
(c) (1) Local surveys	5,715	4,989	4,617	15,321	12,673
(c) (2) Surveys of India	39,131	1,903	80,538	71,572	84,115
(d) Working plans	328	754	436	1,518	2,118
(e) Sowing and planting	85,354	21,729	18,650	75,733	50,979
(f) Protection from fire	25,934	15,437	19,795	61,166	55,147
(g) Other works	28,510	50,218	25,050	1,03,778	83,965
Total, A-VIII	1,54,388	1,02,684	1,35,013	3,92,085	3,32,304

Summary of Receipts and Expenditure during 1905–1906 for each circle and for the Presidency compiled in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1905–1906.	Grand Total, Presidency. 1904–1905.
1	2	3	4	5	6
EXPENDITURE—*cont.*	RS.	RS.	RS.	RS.	RS.
A.—Conservancy and Works—cont.					
IX Miscellaneous—					
(*a*) Law charges	1	62	264	327	808
(*b*) Other charges	656	509	6,076	7,241	6,046
Total, A-IX ..	657	571	6,340	7,568	6,854
Total, A.—Conservancy and Works inclusive of Refunds.	4,78,135	3,43,121	5,58,575	13,79,831	11,78,153
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	17,307	21,374	17,170	55,851	55,358
(*b*) Superior officers	85,205	79,490	89,136	2,53,831	2,48,797
(*c*) Subordinate forest and depot establishments.	80,815	90,224	88,093	2,59,132	2,45,635
(*d*) Office establishments	42,970	42,897	41,072	1,26,939	1,24,879
(*e*) Deputation and special allowances	..	..	..	..	..
(*f*) Exchange compensation allowance	3,986	3,653	4,805	12,444	13,930
Total, B-I ..	2,30,283	2,37,638	2,40,276	7,08,197	6,88,599
II. Travelling allowances—					
(*a*) Conservators	3,833	2,545	2,708	9,086	11,610
(*b*) Superior officers	22,324	12,966	17,508	52,798	50,576
(*c*) Subordinate forest and depot establishments.	23,803	25,153	28,156	77,112	68,684
(*d*) Office establishments	8,924	5,926	6,323	21,173	20,480
Total, B-II ..	58,884	46,590	54,695	1,60,169	1,51,350
III. Contingencies—					
(*a*) Rents, rates and taxes	2,101	1,001	1,526	4,628	4,922
(*b*) Official postage	10,054	10,190	7,540	27,784	26,194
(*c*) Service telegrams	1,005	412	627	2,044	1,804
(*d*) Sundries	14,076	10,217	9,785	34,078	33,458
Total, B-III ..	27,236	21,820	19,478	68,534	66,378
Total, B.—Establishments ..	3,16,403	3,06,048	3,14,449	9,36,900	9,06,327
Grand Total, Expenditure ..	7,94,538	6,49,169	8,73,024	23,16,731	20,84,480
Surplus ..	2,47,714	4,30,769	41,678	7,20,161	7,46,062
Total ..	10,42,252	10,79,938	9,14,702	30,36,892	28,30,542

Annual Form No. 60.

Forest Department, Madras Presidency.

Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year 1905–1906.

Circle	District.	Department Debtor. — At commencement of year.	Department Debtor. — Recoveries in cash and value of supplies and work done during the year.	Department Debtor. — At close of year.	Department Creditor. — At commencement of year.	Department Creditor. — Payments made during year.	Department Creditor. — At close of year.	Balance Due — To department (outstandings).	Balance Due — By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	3,057 15 0	3,057 15 0	36 11 5	3,460 2 6	3,496 13 11	457 14 9 (Conservator and Forest Settlement-officer together)	..
	Forest Settlement-officer, Kistna, etc., districts..	..	301 2 8	301 2 8	32 10 6	287 8 0	320 2 6		
	Ganjám	..	37,672 15 6	37,672 15 6	1,019 14 5	37,796 15 4	38,816 13 9	1,143 14 3	..
	Vizagapatam	..	25,784 11 5	25,784 11 5	570 11 8	26,153 11 8	26,724 7 4	939 11 11	..
	Gódávari	..	96,453 11 9	96,453 11 9	3,245 5 3	94,746 15 6	97,992 4 9	1,538 9 0	..
	Kistna	..	37,722 10 0	37,722 10 0	610 8 6	37,997 15 3	38,608 7 9	885 13 9	..
	Guntúr	..	57,816 1 11	57,816 1 11	2,007 13 6	59,231 0 10	61,238 14 4	3,422 12 5	..
	Kurnool West	..	1,61,409 14 9	1,61,409 14 9	3,055 1 6	1,63,939 1 5	1,66,994 2 11	5,584 4 2	..
	Do. East	..	1,26,203 1 10	1,26,203 1 10	4,576 15 9	1,28,956 9 5	1,33,533 9 2	7,330 7 4	..
	Bellary	..	96,870 6 3	96,870 6 3	1,949 11 8	1,03,710 4 10	1,05,660 0 6	8,789 10 3	..
	Anantapur	..	36,267 9 11	36,267 9 11	932 8 1	35,881 9 6	36,814 1 7	546 7 8	..
	Total ..	..	6,79,560 5 0	6,79,560 5 0	18,038 0 3	6,92,161 14 3	7,10,199 14 6	30,639 9 6	..
Central Circle.	Conservator, Central Circle	..	6,765 1 7	6,765 1 7	39 4 0	6,754 10 4	6,793 14 4	28 12 9	..
	Nellore	..	60,818 14 7	60,818 14 7	537 3 9	61,513 5 5	62,050 9 2	1,231 10 7	..
	Cuddapah South ..	..	81,217 10 8	81,217 10 8	2,048 10 0	80,230 4 3	82,278 14 3	1,061 3 7	..
	Do. North ..	..	1,303 14 10	1,303 14 10	..	1,363 15 7	1,363 15 7	60 0 9	..
	Do. West ..	..	2,189 10 6	2,189 10 6	..	3,049 5 6	3,049 5 6	859 11 0	..
	Chingleput	..	27,595 3 3	27,595 3 3	390 2 8	28,562 7 2	28,952 9 10	1,357 6 7	..
	North Arcot	..	1,03,330 15 11	1,03,330 15 11	2,157 7 11	1,02,949 14 5	1,05,107 6 4	1,776 6 5	..
	South Arcot	..	53,731 4 7	53,731 4 7	613 10 0	53,616 4 0	54,229 14 0	498 9 5	..
	North Salem	..	94,689 8 8	94,689 8 8	2,053 0 8	99,634 15 1	1,01,687 15 9	6,998 7 1	..
	South Salem	..	74,000 0 11	74,000 0 11	2,947 6 7	74,728 0 1	77,675 6 8	3,675 5 9	..
	Trichinopoly	..	44,850 13 1	44,850 13 1	1,367 13 8	45,448 7 0	46,816 4 8	1,965 7 7	..
	Tanjore	..	8,349 15 8	8,349 15 8	15 9 6	7,745 1 9	7,760 11 3	— 589 4 5	..
	Total ..	..	5,58,843 2 3	5,58,843 2 3	12,170 4 9	5,65,596 10 7	5,77,766 15 4	18,923 13 1	..
Southern Circle.	Conservator, Southern Circle	..	1,151 10 0	1,151 10 0	45 14 3	1,133 5 1	1,179 3 4	27 9 4	..
	Training School, Coimbatore	..	536 3 4	536 3 4	77 0 0	981 13 4	1,058 13 4	522 10 0	..
	Forest Working Plan Office, Southern Circle.	..	383 13 1	383 13 1	151 2 1	232 11 0	383 13 1	..	..
	The Nilgiris	..	69,915 12 1	69,915 12 1	3,646 12 11	68,102 12 4	71,749 9 3	1,833 13 2	..
	North Coimbatore ..	..	83,430 15 11	83,430 15 11	3,470 12 5	84,022 5 4	87,493 1 9	4,062 1 10	..
	South Coimbatore ..	..	1,43,530 10 3	1,43,530 10 3	2,475 4 2	1 44,196 11 11	1,46,672 0 1	3,141 5 10	..
	Madura	..	75,840 9 4	75,840 9 4	2,527 1 7	73,850 14 10	76,378 0 5	537 7 1	..
	Tinnevelly	..	51,856 8 11	51,856 8 11	1,545 7 10	51,929 4 9	53,474 12 7	1,618 3 8	..
	North Malabar	..	80,963 9 1	80,963 9 1	2,224 2 3	81,739 3 2	83,963 5 5	2,999 12 4	..
	South Malabar	..	61,957 12 5	61,957 12 5	1,613 15 2	61,409 15 1	63,023 14 3	1,066 1 10	..
	South Canara	..	77,595 2 11	77,595 2 11	852 14 4	77,558 6 10	78,411 5 2	816 2 3	..
	Total ..	..	6 47,162 11 4	6,47,162 11 4	18,630 7 0	6,45,157 7 8	6,63,787 14 8	16,625 3 4	..
	Grand Total ..	..	18,85,566 2 7	18,85,566 2 7	48,838 12 0	19,02,916 0 6	19,51,754 12 6	66,188 9 11	..

Madras,
1st September 1905.

E. S. Hensman,
Chief Superintendent.

Annual Form No. 61.

Forest Department, Madras Presidency.

Revenue received and Outstandings on account of Revenue during the Forest year 1905–1906

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.						
Direction	Timber and other forest produce.	..	30 0 0	30 0 0	30 0 0	..
Ganjám	Do. do.	162 0 0	57,067 8 0	57,229 8 0	56,990 0 0	239 8 0
Vizagapatam	Do. do.	797 12 0	50,036 12 0	53,834 8 0	53,767 0 0	67 8 0
Gódávari	Do. do.	3,663 15 4	1,69,716 8 8	1,73,380 8 0	1,71,540 0 0	1,840 8 0
Kistna	Do. do.	791 13 4	76,112 1 10	76,903 15 2	76,204 0 0	699 15 2
Guntúr	Do. do.	6,054 0 6	1,22,259 10 4	1,28,313 10 10	1,26,859 0 0	1,454 10 10
Kurnool, East	Do. do.	..	1,53,756 0 0	1,53,756 0 0	1,53,656 0 0	100 0 0
Kurnool, West	Do. do.	537 12 10	1,49,676 6 3	1,50,214 3 1	1,49,893 0 0	321 3 1
Bellary	Do. do.	5,178 5 6	1,58,839 11 6	1,64,018 1 0	1,58,429 0 0	5,589 1 0
Anantapur	Do. do.	13,062 8 0	1,10,161 0 0	1,23,223 8 0	94,884 0 0	28,339 8 0
	Total ..	30,248 3 6	10,50,655 10 7	10,80,903 14 1	10,42,252 0 0	38,651 14 1
Central Circle.						
Direction	Timber and other produce.	..	17 0 0	17 0 0	17 0 0	..
Cuddapah	Do. do.	8,060 12 0	1,85,623 8 11	1,93,684 4 11	1,85,991 0 0 (a) + 9 13 0	*4,140 5 0 †3,468 1 3 ‡ 75 1 8
Nellore	Do. do.	21,653 3 0	1,80,987 11 9	2,02,640 14 9	1,90,752 0 0	11,888 14 9
Chingleput	Do. do.	2,041 15 6	34,052 3 10	36,094 3 4	34,137 0 0	1,957 3 4
North Arcot	Do. do.	12,624 3 2 (b)— 125 0 0	1,94,711 0 0	2,07,210 3 2	1,90,393 0 0	16,817 3 2
South Arcot	Do. do.	9,517 4 4 (c)— 30 5 4 (d)— 18 4 10	1,28,284 11 3	1,37,753 5 5	1,27,786 0 0	9,967 5 5
Tanjore	Do. do.	1,572 8 6	24,027 2 0	25,599 10 6	22,721 0 0	2,878 10 6
Trichinopoly	Do. do.	5,132 13 11 (e)— 227 11 11	1,19,801 15 4	1,24,707 1 4	1,05,666 0 0	19,041 1 4
North Salem	Do. do.	7,614 2 8	1,13,996 0 2	1,21,610 2 10	1,17,709 0 0	3,901 2 10
South Salem	Do. do.	4,204 5 2	1,05,065 11 10	1,09,270 1 0	1,04,766 0 0	4,504 1 0
	Total ..	72,421 4 3 — 401 6 3	10,80,567 1 1	11,58,586 15 3	10,79,938 0 0 (a)+ 9 13 0	78,639 2 3
Southern Circle.						
Direction	Timber and other forest produce.	..	182 0 0	182 0 0	182 0 0	..
South Canara	Do. do.	6,924 11 6 (f)— 38 4 3	1,13,622 2 3	1,20,508 9 6	1,02,619 0 0 (g)+ 133 15 1	17,755 10 5
North Malabar	Do. do.	8,810 5 2 (h) — 58 1 7	31,757 1 4	40,509 4 11	35,829 12 11	4,679 8 0
South do.	Do. do.	6,418 3 0 (i)— 193 4 2	59,358 1 1	65,582 15 11	60,969 0 0	4,613 15 11
The Nilgiris	Do. do.	3,917 2 8 (d)— 463 2 0	57,418 1 5	60,872 2 1	59,358 0 0	1,514 2 1
North Coimbatore ..	Do. do.	43 6 7	1,80,710 15 11	1,80,754 6 6	1,80,184 0 0	570 6 6
South do. ..	Do. do.	15,049 3 1 (c) — 71 0 0	1,49,446 5 11	1,64,424 9 0	1,53,860 10 5	10,563 14 7
Madura	Do. do.	4,122 10 2 (c)— 463 11 0	2,29,851 3 2	2,33,510 2 4	2,26,769 0 0	6,741 2 4
Tinnevelly	Do. do.	17,994 9 6 (j)— 35 0 0	89,198 14 4	1,07,158 7 10	94,931 0 0	12,227 7 10
	Total ..	63,280 3 8 —1,322 7 0	9,11,544 13 5	9,73,502 10 1	9,14,702 7 4 (g)+ 133 15 1	58,666 3 8
	Grand total ..	1,65,949 11 5 —1,723 13 3	30,48,765 9 1	32,12,993 7 5	30,36,892 7 4 + 143 12 1	1,75,957 4 0

* Cuddapah, West. † Cuddapah, South. ‡ Cuddapah, North.

(a) Written off in Government Order No. 428, Revenue, dated 14th May 1906, communicated in Board's Proceedings, No. 151, Land Revenue, dated 11th June 1906.

(b) Remission of revenue sanctioned in Sanction Order No. 45 of 1905, dated 9th July 1905.

(c) Deduction on account of cancellation of sales, leases and contracts.

(d) Erroneous demand.

(e) Written off by Conservator in Sanction Order No. 63 of 1905, dated 30th October 1905, as the quantity supplied to the Municipality Trichinopoly was found to be less.

	RS. A. P.
(f) Erroneous demand	38 4 0
Excess demand	0 0 3
Total ..	38 4 3

(g) Written off the accounts in Government Order No. 128, Revenue, dated 12th February 1906, communicated with Board's Proceedings, No. 59, Land Revenue, dated 9th March 1906.

	RS. A. P.
(h) Remission of Tuckle fees	35 4 0
Erroneous demand	22 13 7
Total ..	58 1 7

(i) Remission of cocoanut tope lease amount on account of fallen trees	14 12 2
Erroneous demand	178 8 0
Total ..	193 4 2

(j) One-fourth of the lease amount of a tank-bed due to a temple according to karár.

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1905–1906.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,541	4,699	49,451	25,822	44,176	56,992	74,697
Vizagapatam	11,047	9,110	42,722	17,413	11,206	53,769	37,729
Gódávari	19,934	12,619	1,51,611	59,187	57,827	1,71,545	1,29,633
Kistna	15,230	11,937	60,976	15,407	16,881	76,206	44,225
Guntúr	26,937	16,453	99,925	22,169	25,645	1,26,862	64,267
Kurnool, East	1,00,627	57,070	53,034	41,373	38,904	1,53,661	1,37,347
Kurnool, West	64,973	50,179	84,925	49,839	47,589	1,49,898	1,47,607
Bellary	25,481	18,867	1,32,952	38,385	44,760	1,58,433	1,02,012
Anantapur	3,482	4,183	91,404	26,527	21,938	94,886	52,648
Total ..	2,75,252	1,85,117	7,67,000	2,96,122	3,08,926	* 10,42,252	7,90,165 † + 4,373
Central Circle.							
Cuddapah	26,076	13,803	1,59,915	49,660	33,633	1,85,991	97,096
Nellore	38,414	30,319	1,52,338	23,536	29,823	1,90,752	83,678
Chingleput	2,896	5,153	31,241	14,337	15,713	34,137	35,203
North Arcot	63,010	26,583	1,27,383	38,209	41,315	1,90,393	1,06,107
South do.	3,157	5,539	1,24,629	26,632	33,094	1,27,786	65,265
North Salem	49,895	40,940	67,814	17,245	19,130	1,17,709	77,315
South do.	27,250	35,513	77,533	26,331	27,632	1,04,783	89,476
Trichinopoly	45,492	38,282	60,174	20,241	19,497	1,05,666	78,020
Tanjore	1,892	2,371	20,829	4,038	3,349	22,721	9,758
Total ..	2,58,082	1,98,503	8,21,856	2,20,229	2,23,186	10,79,938	6,41,918 † + 7,251
Southern Circle.							
South Canara	44,113	57,437	58,528	8,315	48,336	1,02,641	1,14,088
North Malabar	23,754	54,092	12,097	1,217	69,250	35,851	1,24,559
South do.	51,382	47,266	9,609	328	24,396	60,991	71,990
The Nilgiris	35,979	57,064	23,401	4,256	32,898	59,380	94,218
North Coimbatore ..	83,736	42,277	96,473	8,401	38,338	1,80,209	89,016
South do. ..	98,647	1,31,010	55,239	9,146	25,930	1,53,886	1,66,086
Madura	97,923	1,03,137	1,28,868	6,166	41,869	2,26,791	1,51,172
Tinnevelly	4,854	10,238	90,099	7,975	43,682	94,953	61,895
Total ..	4,40,388	5,02,521	4,74,314	45,804	3,24,699	9,14,702	‡ 8,73,024
Grand total ..	9,73,722	8,86,141	20,63,170	5,62,155	8,56,811	30,36,892	23,16,731

* This includes Rs. 30 realized in Direction under V-*b* and distributed to the several districts proportionately.

† Refunds and drawbacks.

‡ Includes refunds and drawbacks.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1905–1906.

PART I.

Elephants in possession of the Reporting Officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.
1	2	3	4
			RS. A. P.
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	74 0 0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	57 7 0
Kurnool, West ..	Byragi Pyree		53 10 2
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	49 13 8
	2. Padmini		50 5 4
	3. Chamundi	Transferred from North Malabar on 10th September 1900.	42 1 8
North Malabar ..	1. Phyllis	Purchased in January 1878	44 10 9
	2. Kalyani	Do. in October 1889	43 15 4
	3. Sivaji	Captured in February 1900	47 10 1
	4. Peri	Do. in April 1889	71 10 7
	5. Dosta-Jehan	Born in February 1902	30 13 2
	6. Jhelam	Captured in June 1902	50 0 5
	7. Port Arthur	Do. in February 1905	30 3 10
	8. Kesavan		46 9 2
	9. Kuroki		45 7 0
	10. Hanuman		47 10 10
	11. Nethravathi		47 10 2
	12. Borneo	Born on 21st January 1905	3 4 8
	13. Togo	Captured on 19th January 1905	30 6 11
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	60 8 8
	2. Peyru		67 1 8
	3. Maharajan	Do. in 1888 ..	64 8 0
	4. Nurmahal	Transferred from Wynaad in November 1898.	39 8 0
	5. Samson	Purchased from Mr. Morgan in 1885 ..	86 7 6
	6. Theebaw	Captured in January 1886	49 3 10
	7. Juno	Do. in February 1886	81 6 5
	8. Gordon	Do. in February 1889	80 15 6
	9. Jupiter	Do. in January 1887	64 1 7
	10. Tippu	Do. in February 1893	46 10 6
	11. Lydia	Transferred from the Military Department in April 1903.	73 11 2
	12. Cheman Pyree ..		70 3 6
	13. Bhagavathi	Captured in June 1904	31 10 11
	14. Ella	Do. in January 1905	34 10 6
South Coimbatore.	1. Lala Meah	Transferred from North Malabar on 20th June 1902.	
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.	
	3. Seetha	Transferred from North Malabar on 20th June 1902.	
	4. Parvati	Transferred from Public Works Department on 3rd April 1901.	
	5. Zehara	Transferred from the Nilgiris on 25th July 1899.	
	6. Kunjunni	Transferred from the Public Works Department on 3rd April 1901.	53 8 3
	7. Bakto	Transferred from North Malabar on 20th June 1902.	
	8. Nurjehan	Transferred from North Malabar on 26th June 1903.	
	9. Sutlej	Transferred from North Malabar on 20th December 1903.	
	10. Eva	Transferred from North Malabar on 8th August 1904.	
	11. Hercules		
	12. Bob	Captured on 14th August 1904	
	13. Phyllis II	Do. on 12th do.	
	14. Marudu	Do. on 14th do.	

Statement of Elephants during the year 1905–1906—*cont.*

Part II.

Elephants received in the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food. RS. A. P.	Remarks.
1	2	3	4	5
Ganjám	1. Mahabut Piari	Purchased from the Ganjám Agency Dept in May 1906.	65 3 11	....
North Malabar.	1. Moideen Khan	Transferred from South Canara in October 1905.	313 11 11	....
	2. Ruby	Captured on 21st February 1906.	98 3 2	....
	3. Agnes	Do. on 11th March 1906.	149 12 10	....
	4. Norah	Do. on 11th March 1906.	112 15 0	....
	5. Morris	Do. on 11th March 1906.	82 5 3	....
	6. Charlie	Do. on 11th March 1906.	82 5 3	....
	7. Hyder Ali	Do. on 12th March 1906.	94 8 7	....
	8. Madhavan	Do. on 12th March 1906.	94 8 7	....
	9. Forester	Do. on 15th March 1906	94 0 6	....
	10. Ranger	Do. on 17th March 1906	130 6 10	....
	11. Maree	Do. on 20th March 1906	128 0 5	....
	12. Percy	Do. on 27th March 1906	86 12 10	....
	13. King	Do. on 9th April 1906	107 4 5	....
	14. Princess	Presented by the Mysore Darbar on 9th April 1906.	109 5 8	....
	15. Helen	Captured on 12th April 1906.	159 9 2	....
	16. Hector	Do. on 13th do.	76 7 5	....
	17. Henry	Do. on 13th do.	56 9 10	....
	18. Belloo	Do. on 3rd June 1906.	17 6 1	....
	19. Herbert	Do. on 12th do.	15 2 10	....
	20. Harry	Born on 10th May 1906	..	....
	21. Meenatchi	Transferred from the Nilgiris in July 1899.	611 5 11	Returned from South Malabar on 13th August 1905.
	22. Isabella	Captured in Feb. 1898	555 15 3	Returned from South Malabar on 13th August 1905.
	23. Jamna	Do. in June 1903	298 3 8	Returned from South Malabar on 13th August 1905.
	24. Emily	Do. in June 1899	558 15 6	Returned from South Malabar on 13th August 1905.
	25. Abdul Rahiman.	Do. in April 1900	472 0 11	Returned from South Malabar on 13th August 1905.
	26. Krishnam	Do. in March 1896	480 7 10	Returned from South Malabar on 25th December 1905.
South Malabar.	1. Loo	Transferred from South Coimbatore on 19th July 1905.	524 3 4	....
	2. Kitti	Transferred from South Coimbatore on 19th July 1905.	407 7 2	....
	3. Lakshmi	Transferred from South Coimbatore on 19th July 1905.	407 6 8	....
	4. Meenatchi	Transferred from South Coimbatore on 19th July 1905.	407 15 2	....
	5. Prince	Captured in January 1906	171 3 8	....
	6. George	Do. in February 1906	137 13 9	....
	7. Hugh	Do. in March 1906	106 13 8	....
	8. Dorothy	Do. in March 1906	90 4 4	....
	9. Dodda Lakshmi.	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	2 14 6	....
	10. Chic Lakshmi	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	4 15 8	....
	11. Jempyree	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	4 15 8	....
	12. Beas	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	4 15 8	....
	13. Ravi	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	4 3 1	....
	14. Besse	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	3 6 5	....
	15. Jessie	Transferred from the Nilgiris temporarily on account of authrax breaking out there on 13th June 1906.	2 2 5	....
South Canara.	1. Moideen Khan	Transferred from South Malabar on 27th April 1906.	..	....

PART III.

Elephants gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.			How disposed of.
1	2	3	4			5
			RS.	A.	P.	
North Malabar.	1. Moideen Khan	Transferred from South Canara, in October 1905.	313	11	11	Transferred to South Canara on 27th April 1906.
	2. Jumna	Captured in June 1900	298	3	0	Escaped from captivity on 5th February 1906.
	3. Belloo	Do. on 3rd June 1906	17	6	1	Died on 29th June 1906.
The Nilgiris.	1. Nilambur Lakshmi.	Purchased in September 1894.	746	10	4	Do. on 22nd May 1906.
	2. Dod Lakshmi	Transferred from the Anamalais on 30th January 1882.	477	13	1	Transferred to South Malabar temporarily.
	3. Chic Lakshmi		563	0	4	
	4. Jampyree	Transferred from Nilambur on 23rd June 1903.	512	2	10	
	5. Bessie (calf)	Born on 3rd July 1899	527	7	10	
	6. Jessie (calf)	Do. on 20th October 1903	386	10	11	
	7. Ravi	Transferred from Anamalais on 15th March 1905.	869	3	0	
	8. Beas		869	3	0	
South Malabar.	1. Mayo	Captured in April 1904	202	8	0	Sold on 8th Jan. 1906.
	2. Prince	Do. in January 1906	171	3	8	Died on 23rd April 1906.
	3. Krishnan	Transferred temporarily from North Malabar in Southern division.	79	10	6	Re-transferred to North Malabar on 25th December 1905.
	4. Abdul Rahiman.		117	5	1	Re-transferred to North Malabar on 28th August 1905.
	5. Nadir Shah		65	12	4	Died on 4th Dec. 1905.
	6. Isabella		71	3	3	Re-transferred to North Malabar on 8th Aug. 1905.
	7. Emily		71	7	9	
	8. Meenatchi		68	12	6	
	9. Jamna		60	15	11	
South Coimbatore.	1. Karthiyayini	Transferred from South Malabar in August 1888.	24	2	6	Shot on 11th July 1905.
	2. Doddamari	Transferred from North Malabar on 26th June 1903.	244	5	8	Do. on 18th Dec. 1905.
	3. Kunhiraman	Transferred from North Malabar on 8th August 1904.	108	9	3	Ran into the forests on 26th August 1905.
	4. Lakshmi	Captured on 13th Aug. 1904.	13	10	9	Transferred to South Malabar on 12th July 1905.
	5. Meenatchi		12	9	11	
	6. Kitti	Do. on 30th Sept. 1903.	12	9	11	
	7. Loo	Transferred from North Malabar on 8th August 1904.	16	6	6	
	8. Gordon	Transferred from South Malabar on 16th July 1905.	287	1	4	Transferred to South Malabar on 22nd November 1905.
	9. Jemeu		300	9	1	
	10. Krishna		335	6	7	
	11. Nadir Shah		323	9	2	

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	49	493	49	455	12	7	12	6
Ganjám	85	880	89	866	350	577	516	731
Vizagapatam	38	797	38	557	259	89	336	155
Gódávari	126	594	132	1,096	1,144	2,060	1,180	2,220
Kistna	39	529	46	735	188	497	194	346
Guntúr	53	1,365	52	1,282	250	428	257	568
Kurnool East	87	1,021	87	1,020	1,120	2,052	1,275	2,797
Do. West	127	576	142	765	619	637	858	1,095
Bellary	67	325	76	420	280	159	292	172
Anantapur	51	294	66	395	372	443	420	1,074
Total, Northern Circle ..	722	6,874	777	7,591	4,594	6,949	5,340	9,164
Central Circle.								
Direction	58	1,145	57	1,037	6	8	6	8
Cuddapah	118	878	118	943	407	653	412	858
Nellore	103	1,051	104	1,058	2,370	875	2,265	1,045
Chingleput	49	514	50	410	599	651	647	720
North Arcot	180	1,114	179	1,102	{ 2,074 Cwt. 33 }	2,519	{ 2,297 Cwt. 33 }	2,761
South do.	90	685	90	711	76	35	56	30
North Salem	100	819	118	958	687	746	535	959
South do.	113	1,212	121	1,200	952	1,207	1,075	1,278
Tanjore	24	89	25	141	39	18	42	19
Trichinopoly	49	486	49	472	303	268	321	244
Total, Central Circle ..	884	7,993	911	8,032	{ 7,513 Cwt. 33 }	6,980	{ 7,656 Cwt. 33 }	7,922
Southern Circle.								
Direction	60	922	54	1,060	15	54	15	54
South Canara	214	651	212	595	428	406	452	442
North Malabar	50	935	56	915	644	602	746	518
South do.	51	469	53	603	515	335	465	317
The Nilgiris	114	999	114	968	843	1,152	686	978
North Coimbatore	68	730	69	784	850	1,307	913	1,437
South do.	81	589	88	631	2,252	4,429	2,557	6,261 {
Madura	116	1,561	116	1,539	563	441	681	647
Tinnevelly	119	610	123	658	459	415	453	528
Forest Training School, Coimbatore	46	329	108	1,106	16	16	113	170
Total, Southern Circle ..	919	7,795	993	8,859	6,585	9,157	7,081	11,352 {
Grand Total, Presidency ..	2,525	22,662	2,681	24,482	18,692 33 cwts. }	23,086	20,077 33 cwts. }	28,438

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1905–1906.

Machinery				Furniture				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	RS.		RS.		RS.		RS.		RS.		RS.
..	..	..	..	121	624	125	725	16	650	20	1,334
..	..	..	..	384	2,092	411	2,356	..	..	..	..
..	..	..	..	190	1,146	282	740	124	1,100	109	1,487
1	4,800	1	4,388	582	2,747	611	2,618	20	2,305	22	2,397
..	..	..	..	137	436	142	400	3	1,243	3	1,177
..	..	..	..	180	1,014	223	1,194	5	1,521	6	2,815
..	..	..	..	123	848	149	1,001	11	1,442	17	2,162
10	857	19	1,692	171	907	204	1,027	8	1,621	11	1,920
1	300	1	280	156	858	175	902	17	1,847	18	2,231
..	..	..	..	336	1,437	382	1,571	8	718	6	662
12	5,957	21	6,360	2,380	12,109	2,704	12,534	212	12,447	212	16,185
..	..	..	..	141	610	141	528	8	425	8	384
1	28	1	27	231	1,011	239	1,005	20	1,706	21	1,513
46,308	26,890	46,178	26,735	228	1,510	247	1,756	10	993	10	963
..	..	..	..	225	910	262	1,061	8	803	8	791
32	388	32	384	901	2,434	893	2,416	19	1,771	19	1,744
5	131	5	114	201	887	204	1,038	14	1,806	14	1,139
..	..	..	..	169	1,003	187	1,117	96	1,105	108	1,071
5	211	5	198	349	1,127	396	1,382	22	1,464	24	1,823
..	..	..	..	60	272	62	420	..	..	..	..
..	..	..	..	181	685	236	907	13	1,379	12	1,130
46,351	27,648	46,221	27,458	2,686	10,449	2,867	11,630	210	11,452	224	10,558
..	..	..	..	227	1,428	245	1,541	6	567	8	583
..	..	..	..	209	1,227	233	1,246	14	1,321	14	1,189
..	..	..	..	172	622	182	531	4	438	4	390
2	19	1	17	176	938	163	1,112	4	107	3	107
1	120	1	120	206	1,154	237	1,507	7	750	7	694
..	..	..	..	374	1,308	400	1,592	102	910	113	1,198
659 ft. 7,950	3,275 £ 605	636 ft. 7,950	3,056 £ 544	459	1,972	475	1,921	17	1,191	17	1,164
6	198	9	582	466	1,945	559	2,137	490	1,267	520	1,410
..	..	..	..	621	2,159	664	2,607	..	..	..	..
..	..	..	..	17	123	60	679	12	1,919	12	1,715
668 ft. 7,950	3,612 £ 605	647 ft. 7,950	3,775 £ 544	2,927	12,876	3,218	14,873	656	8,470	698	8,450
47,031 ft. 7,950	37,217 £ 605	46,889 ft. 7,950	37,593 £ 544	7,993	35,434	8,789	39,037	1,078	32,369	1,134	35,193

Abstract showing the Value of Live-stock,

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	2	37	2	35
Ganjám	56	16,832	50	14,994	..	..	..	..
Vizagapatam	61	7,743	52	6,375	1	Not known.	1	Not known.
Gódávari	94	27,928	130	34,802	1	900	1	900
Kistna	22	2,221	27	2,725	..	..	..	..
Guntúr	42	9,305	50	10,019	..	..	..	..
Kurnool, East	40	10,611	53	9,354	72	3,659	71	3,607
Do. West	40	25,235	69	35,876	2	1,600	7	1,600
Bellary	27	4,399	27	4,220	91	3,075	95	3,575
Anantapur	16	15,826	20	21,135	..	..	..	..
Total, Northern Circle	398	1,20,100	478	1,39,500	169	9,271	177	9,717
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	125	19,603	129	21,215	2	56	2	56
Nellore	13	9,259	15	15,479	..	..	..	..
Chingleput	28	7,526	34	8,955	..	..	..	..
North Arcot	89	24,260	96	30,115	..	..	..	..
South do.	20	15,033	41	18,749	..	..	..	..
North Salem	22	9,000	31	12,400	..	..	..	..
South do.	22	10,226	24	11,435	..	..	..	..
Tanjore	5	358	5	358	..	..	..	..
Trichinopoly	8	2,830	9	3,043	309	11	309	10
Total, Central Circle	332	98,095	384	1,21,749	311	67	311	66
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	28	14,374	45	25,377	3	5,000	64	10,337
North Malabar	39	13,592	46	18,067	19	22,670	76	64,853
South do.	37	34,084	36	32,298	39	24,460	50	36,391
The Nilgiris	75	9,761	87	10,576	24	7,943	43	8,960
North Coimbatore	72	34,121	71	30,126	..	..	..	..
South do.	93	36,816	94	30,245	131	36,962	130	30,124
Madura	60	33,283	60	36,798	..	..	..	..
Tinnevelly	70	32,383	70	31,136	..	..	..	..
Forest Training School, Coimbatore	..	..	..	..	..	..	..	..
Total, Southern Circle	474	2,08,414	509	2,14,623	216	97,035	363	1,50,665
Grand Total, Presidency	**1,204**	**4,26,609**	**1,371**	**4,75,872**	**696**	**1,06,373**	**851**	**1,60,448**

Stores, Tools and Plant for 1905-1906—*cont.*

Miscellaneous				Total					
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		Difference in value	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	RS.		RS.		RS.		RS.	RS.	RS.
5	80	6	79	205	1,891	214	2,634	743	..
..	..	..	..	875	20,381	1,066	18,947	..	1,434
303	645	352	705	976	11,520	1,170	10,019	..	1,501
527	4,052	552	3,851	2,495	45,386	2,629	52,272	6,886	..
5	1,691	7	1,956	394	6,617	419	7,339	722	..
2	136	2	129	532	13,769	590	16,007	2,238	..
248	1,681	1,100	2,428	1,701	21,314	2,752	22,369	1,055	..
241	626	1,821	1,488	1,218	32,059	3,131	45,463	13,404	..
330	1,283	392	1,812	969	12,246	1,076	13,612	1,366	..
..	..	..	..	783	18,718	894	24,837	6,119	..
1,661	10,194	4,232	12,448	10,148	1,83,901	13,941	2,13,499	29,598	..
94	379	94	346	307	2,567	306	2,303	..	264
291	358	291	323	1,195	24,293	1,213	25,940	1,647	..
420	5,489	417	5,120	49,452	46,067	49,236	52,156	6,089	..
..	..	..	..	909	10,404	1,001	11,937	1,533	..
..	..	..	.. {	3,295 cwt. 33 }	32,486 {	3,516 cwt. 33 }	38,522	6,036	..
1,270	727	948	539	1,676	19,304	1,358	22,320	3,016	..
617	315	677	441	1,691	12,988	1,656	16,946	3,958	..
..	..	..	..	1,463	15,447	1,645	17,316	1,869	..
93	334	213	334	221	1,071	347	1,272	201	..
1,879	832	1,885	810	2,742	6,491	2,821	6,616	125	..
4,664	8,434	4,525	7,913	62,951	1,71,118 {	63,099 cwt. 33 }	1,95,328	24,210	..
506	488	455	973	814	3,459	777	4,211	752	..
567	1,497	637	6,902	1,463	24,476	1,657	46,088	21,612	..
..	..	20	1,630	928	38,859	1,130	86,904	48,045	..
382	1,233	302	1,667	1,206	61,645	1,073	72,512	10,867	..
119	93	112	167	1,389	21,972	1,287	23,970	1,998	..
180	353	185	368	1,646	38,729	1,751	35,505	..	3,254
276	926	272	902 {	3,968 ft. 7,950	86,160 £ 605	4,269 ft. 7,950	74,304 £ 544 }	.. {	11,856 £ 61
793	415	793	412	2,494	39,110	2,738	43,525	4,415	..
..	..	..	..	1,269	35,567	1,310	34,929	..	638
7	324	26	23	98	2,711	319	3,693	982	..
2,830	5,329	2,802	13,044 {	15,275 ft. 7,950	3,52,688 £ 605	16,311 ft. 7,950	4,25,641 £ 544	72,953 £ — 61	..
9,155	23,957	11,559	33,405 {	88,374 cwt. 33 ft. 7,950 }	7,07,707 £ 605 {	93,351 cwt. 33 ft. 7,950 }	8,34,468 £ 544 }	1,26,761	£ 61

FORM No. 65.

STATEMENT showing the results of transport of wood by tramway.

Forest Department, Madras, Northern Circle.

I.—Gódávari District.

Capital Account, 1905–1906.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS. A. P.	RS. A. P.	*Cr.*	RS. A. P.	RS. A. P.
To balance of the previous year	..	4,668 0 0	By depreciation at 6 per cent.	298 0 0	280 0 0
„ cost of plant	4,800 0 0	..	,, balance of stock	4,668 0 0	4,388 0 0
,, Improvements	127 0 0	..			
„ conveyance of plant ..	39 0 0	..			
Total ..	4,966 0 0	4,668 0 0	Total ..	4,966 0 0	4,668 0 0

Revenue Account, 1905–1906.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS. A. P.	RS. A. P.	*Cr.*	RS. A. P.	RS. A. P.
To improvements	..	..	By balance written off ..	678 0 0	772 0 0
„ conveyance charges ..	..	241 0 0			
,, road making	116 0 0	44 0 0			
,, interest at 4 per cent. ..	199 0 0	187 0 0			
,, depreciation at 6 per cent.	298 0 0	280 0 0			
,, working expenses ..	65 0 0	20 0 0			
Total ..	678 0 0	772 0 0	Total ..	678 0 0	772 0 0

Capital Account, 1905–1906.

—	1904–1905.					1905–1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done ..	$446\frac{2}{17}$	$\frac{3}{4}$	$334\frac{10}{17}$	678	2 0 5	160 $1,072\frac{41}{408}$	$\frac{3}{4}$ 1	120 $1,072\frac{41}{408}$	772	0 10 4
Total ..	$446\frac{2}{17}$	$\frac{3}{4}$	$334\frac{10}{17}$	678	2 0 5	$1,232\frac{41}{408}$	..	$1,192\frac{41}{408}$	772	0 10 4

Revenue Account, 1905–1906.

—	1904–1905.			1905–1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS. A. P.	RS. A. P.		RS. A. P.	RS. A. P.
Actual charge of carrying	$334\frac{10}{17}$	678 0 0	2 0 5	$1,192\frac{41}{408}$	772 0 0	0 10 4
Estimated charges by coolies ..		350 0 0	1 0 9		1,564 8 0	1 5 0

Year.	Profit.	Loss.
	RS.	RS.
1904–1905	..	328
1905–1906	792	..
Total ..	792	328
Deduct loss ..	328	..
Net profit ..	464	.

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle.

II.—Nellore District.

(i) Sriharikóta Plantation.

Capital Account, 1905–1906.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	16,079	17,109	By depreciation at 6 per cent. ..	1,092	1,036
Add new stock	2,122	155	,, balance of stock	17,109	16,228
Total ..	18,201	17,264	Total ..	18,201	17,264

Revenue Account, 1905–1906.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	2,100	1,779	By balance written off	4,442	4,432
,, road-making and repairs	457	830			
,, interest at 4 per cent.	728	691			
,, depreciation at 6 per cent. ..	1,092	1,036			
,, repairs to wagons	65	96			
Total ..	4,442	4,432	Total ..	4,442	4,432

—	1904–1905.					1905–1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	7,831	4	31,324	4,442	0 2 3	6,425	4½	28,912½	4,432	0 2 5

—	1904–1905.			1905–1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	31,324	4,442	0 2 3	28,912½	4,432	0 2 5
Estimated charges by coolies		41,113	1 5 0		37,953	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889–90	..	1,444
1890–91	8,487	..
1891–92	3,742	..
1892–93	13,807	..
1893–94	13,063	..
1894–95	15,153	..
1895–96	9,160	..
1896–97	23,921	..
1897–98	25,450	..
1898–99	30,398	..
1899–1900	23,176	..
1900–1901	8,713	..
1901–1902	27,918	..
1902–1903	24,917	..
1903–1904	34,386	..
1904–1905	36,671	..
1905–1906	33,521	..
Total ..	3,32,423	
Deduct loss ..	1,444	
Net profit ..	3,30,979	

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle—cont.

II.—Nellore District—cont.

(ii) Casuarina Plantation Range.

Capital Account.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	14,651	16,623	By depreciation at 6 per cent.	1,061	998
Add new stock	3,033	7	,, balance of stock	16,623	15,632
Total ..	17,684	16,630	Total ..	17,684	16,630

Revenue Account.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	1,400	9,757	By balance written off ..	3,315	11,492
,, road-making and repairs ..	114	66			
,, interest at 4 per cent. ..	707	665			
,, depreciation at 6 per cent. ..	1,061	998			
,, repairs to wagons	33	6			
Total ..	3,315	11,492	Total ..	3,315	11,492

—	1904–1905.					1905–1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	1,955	$\frac{30}{40}$	1,466$\frac{10}{40}$	3,315	0 2 11	3,570	$\frac{30}{40}$	2,677$\frac{20}{40}$	11,492	0 13 11
	2,854	2$\frac{10}{40}$	6,421$\frac{20}{40}$			2,532	2$\frac{20}{40}$	6,330		
	3,577	2	7,154			2,302	1$\frac{20}{40}$	3,453		
	1,866	1$\frac{30}{40}$	3,265$\frac{20}{40}$			752	1	752		
	10,252	6$\frac{30}{40}$	18,307$\frac{10}{40}$			9,156	5$\frac{30}{40}$	13,212$\frac{20}{40}$		

—	1904–1905.			1905–1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	18,307$\frac{10}{40}$	3,315	0 2 11	13,212$\frac{20}{40}$	11,492	0 13 11
Estimated charges by coolies.. ..		24,028	1 5 0		17,341	1 5 0

ABSTRACT.

Year.	Profit.	Loss.	Year.	Profit.	Loss.
	RS.	RS.		RS.	RS.
1885-86	1,735	..	1899–1900	13,275	..
1886-87	5,030	..	1900–1901	22,553	..
1887-88	..	536	1901–1902	14,525	..
1888-89	6,272	..	1902–1903	24,372	..
1889-90	545	..	1903–1904	18,740	..
1890-91	7,323	..	1904–1905	20,713	..
1891-92	4,646	..	1905–1906	5,849	..
1892-93	5,290	..			
1893-94	5,351	..	Total ..	1,80,511	
1894-95	5,261	..	Deduct loss ..	536	
1895-96	4,826	..			
1896-97	3,981	..	Net profit ..	1,79,975	
1897-98	7,000	..			
1898-99	3,224	..			

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Southern Circle.

III.—South Coimbatore District.

Capital Account.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	32,415	30,579	By depreciation at 6 per cent. ..	1,952	1,838
,, repairs of tram-trucks	115	63	,, balance of stock	30,578	28,804
Total ..	32,530	30,642	Total ..	32,530	30,642

Revenue Account.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	910	1,278	By balance written off	8,049	9,581
,, depreciation at 6 per cent. ..	1,952	1,838			
,, interest at 4 per cent.	1,301	1,226			
,, repairs to tram-line	180	859			
,, cost of feed and keep of bulls employed in tramming ..	3,706	4,380			
Total ..	8,049	9,581	Total ..	8,049	9,581

—	1904–1905.					1905–1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P
Work done.	$180\frac{23}{40}$ tons (7,222 c. ft.).	$5\frac{3}{4}$	1,038	8,049	1 4 10	806 tons (32,240 c. ft.).	$5\frac{3}{4}$	4,634	9,581	1 4 0
	$471\frac{5}{40}$ tons (18,845 c. ft.).	$5\frac{1}{4}$	2,473			$446\frac{7}{40}$ tons (17,847 c. ft.).	$3\frac{3}{4}$	1,676		
	$7\frac{27}{40}$ tons (307 c. ft.).	$4\frac{3}{4}$	36			$359\frac{28}{40}$ tons (14,398 c. ft.).	$3\frac{3}{4}$	1,350		
	$311\frac{3}{40}$ tons (12,443 c. ft.).	$3\frac{3}{4}$	1,167							
	$57\frac{5}{40}$ tons (2,285 c. ft.).	$3\frac{3}{4}$	214							
	$410\frac{26}{40}$ tons (16,426 c. ft.).	3	1,232							
	$22\frac{36}{40}$ tons. (916 c. ft.).	1	23							
Total ..	$1,461\frac{4}{40}$		6,183			$1,611\frac{36}{40}$ tons (64,485 c. ft.).		7,660		

—	1904–1905.			1905–1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	6,183	8,049	1 4 10	7,660	9,581	1 4 0
Estimated cost of carting	6,183	6,441	1 0 8	7,660	7,979	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,220	..	..	1,200	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	7,971	..	..	9,489	..
Loss ..	..	..	..	..	92	..
Add loss up to 1904–1905 ..	..	..	..	..	32,049	..
Total loss ..	..	..	..	..	32,141	..

ANNUAL FORM NO. 72-A (OLD CODE).

Forest Department, Madras Presidency.

MONEY value of sales of timber, fuel and bamboos cut, collected and removed by Consumers or Purchasers during 1905–1906.

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales. Timber. Amount of sales.	Money value of sales. Timber. Amount actually realized during the year.	Money value of sales. Firewood and charcoal. Amount of sales.	Money value of sales. Firewood and charcoal. Amount actually realized during the year.	Money value of sales. Bamboos. Amount of sales.	Money value of sales. Bamboos. Amount actually realized during the year.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	412,448	406,193	1,521,306	23,048	23,085	4,284	4,284	6,147	6,147
Vizagapatam	67,757	143,031	1,680,390	5,669	5,669	3,454	* 3,454	13,044	13,044
Gódávari	213,086	246,914	9,585,277	25,451	25,451	9,166	9,176	54,488	54,488
Kistna	53,597	934,140	392,196	3,530	3,530	12,685	12,216	2,774	2,774
Guntúr	66,677	199,352	..	6,360	6,286	9,954	9,254	..	..
Kurnool, East	5,322	57,651	18,400	606	606	1,257	1,257	204	1,446
Do. West	125,466	57,153	50	10,953	11,238	4,336	4,369	1	1
Bellary	109,951	419,080	133,683	10,978	10,978	6,899	6,902	2,714	2,714
Anantapur	25,259	137,842	5,328	4,506	4,506	2,549	2,552	139	139
Total ..	1,079,563	2,601,356	13,336,630	91,101	91,349	54,584	53,464	79,511	80,753
Central Circle.									
Cuddapah	114,124	501,115	1,228,430	10,496	10,298	13,879	13,667	8,436	8,433
Nellore	16,429	461,111	437	2,770	2,740	2,980	24,928	28	28
Chingleput	18,118	78,459	163	1,632	1,632	7,129	7,374	33	33
North Arcot	122,500	808,835	4,624,310	7,656	7,699	12,638	12,206	28,902	26,326
South do.	68,654	509,816	1,212,595	9,112	9,112	33,228	33,358	2,929	3,009
North Salem	43,946	80,056	2,679,775	3,061	3,064	1,999	2,075	5,669	9,562
South do.	47,793	191,558	4,299,033	3,877	3,877	5,133	5,133	19,168	18,506
Trichinopoly	21,102	794,672	38,218	1,515	1,515	13,015	12,589	1,177	1,177
Tanjore	20,984	456,212	24,227	757	757	9,491	8,691	320	320
Total ..	473,650	3,881,834	14,107,188	40,876	40,694	99,492	1,20,021	66,662	67,394
Southern Circle.									
South Canara	35,933	840,172	98,392	6,911	6,910	11,948	11,689	1,453	1,453
North Malabar	1,018	3,480	17,260	672	672	59	55	298	298
South do.	50,784	..	14,700	4,104	4,012	..	..	362	362
The Nilgiris	3,240	48,170	131,127	1,475	1,475	2,892	2,928	2,654	2,654
North Coimbatore ..	15,889	227,349	† 2,632	5,037	5,037	6,711	6,711	11,571	11,571
South do.	16,692	143,155	1,388,740	‡ 6,239	3,929	3,761	6,066	8,983	8,143
Madura	59,518	614,275	107,796	4,641	13,821	33,160	37,412	3,369	3,369
Tinnevelly	49,245	949,424	3,932	601	906	44,998	46,526	1,033	1,168
Total ..	232,319	2,826,025	1,764,579	29,680	36,762	1,03,529	1,11,387	29,723	29,018
Grand Total, Presidency.	1,785,532	9,309,215	29,208,397	1,61,657	1,68,805	2,57,605	2,84,872	1,75,896	1,77,165
Grand Total, 1904–1905..	2,235,087	10,757,206	34,911,894	1,95,278	1,96,429	3,69,238	3,65,682	1,96,207	1,98,739

N.B.—Columns 6, 8 and 10 include arrear collections of revenue outstanding at the end of the previous year and are the audited figures of the Accountant-General as per Form No. 59. The figures in columns 5, 7 and 9 are those reported by the Collectors.

* Excludes the amount of Rs. 675 collected in the Central Circle.

† Excludes 187,632 cubic feet of bamboos, the number contained in which has not been reported.

‡ Includes value of timber and firewood on darkhast lands.

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other produce confiscated and sold during the year 1905–1906.

Districts.	Timber. Quantity in cubic feet.	Timber. Amount of sales.	Firewood. Quantity in cubic feet.	Firewood. Amount of sales.	Bamboos. Number.	Bamboos. Amount of sales.	Minor produce in value.	Total amount of sales.	Amount actually realized.
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	2,808	354	360	10	956	5	5	374	255
Vizagapatam ..	468	25	133	6	932	7	4	42	42
Gódávari	* 3,011	† 5,188	..	..	240	1	..	5,189	5,189
	1,305	284	815	16	5,777	33	73	406	406
Kistna	424	41	650	56	196	3	5	105	105
Guntúr	26	39	33	3	..	..	10	52	52
Kurnool East ..	738	239	234	10	370	7	44	300	300
Do. West ..	1,511	370	766	54	2,024	35	86	545	543
Bellary	77	38	4,915	90	..	..	1	129	129
Anantapur	..	..	..	..	..	..	209	209	209
Total ..	10,368	6,578	7,906	245	10,495	91	437	7,351	7,230
Central Circle.									
Cuddapah	1,121	446	958	36	2,790	17	70	569	‡ 549
Nellore	11,786	1,483	3,708	267	50	..	200	1,950	1,937
Chingleput	131	65	166	18	5	..	6	89	89
North Arcot ..	1,054	1,055	7,087	324	3,863	33	62	1,474	1,474
South do. ..	2,499	312	2,766	138	98	1	69	520	520
North Salem	191	12	89	4	1,286	8	6	30	30
South do.	352	99	1,001	47	4,221	29	6	181	181
Trichinopoly ..	§ 405	82	119	3	52	2	4	91	91
Tanjore	1	..	21	2	..	..	1	3	3
Total ..	17,540	3,554	15,915	839	12,365	90	424	4,907	4,874
Southern Circle.									
South Canara ..	7,556	2,080	2,980	160	1,348	28	242	2,510	2,510
North Malabar ..	6,537	‖ ..	..	..	13	..	58	58	58
South do. ..	9,996	1,104	18	2	..	..	5	1,111	1,111
The Nilgiris ..	694	27	7	..	300	20	21	68	68
North Coimbatore ..	901	535	2,163	61	1,187	50	6	652	652
South do. ..	446	156	691	66	5,270	18	4	244	244
Madura	1,243	164	512	35	31	4	59	262	¶ 287
Tinnevelly	104	48	18,032	1,224	..	..	140	1,412	1,427
Total ..	27,477	4,114	24,403	1,548	8,149	120	535	6,317	6,357
Grand Total ..	55,385	14,246	48,224	2,632	31,009	301	1,396	18,575	18,461

Add outstandings at close of 1904–1905 ..	836
Total ..	19,411
Deduct amount realized as per Form No. 59 ..	18,461
Balance outstanding on 30th June 1906 ..	950

* Drift timber.

† Includes Rs. 4,783 being lease amounts of drift timber.

‡ Amount as per Form No. 59; the amount entered by the Collector is 569, but the variation has not been explained.

§ Excludes 54 lb. of sandalwood the volume of which in cubic feet has not been reported.

‖ Not sold during the year.

¶ The Collector has entered 262 in this column against 287 as per audited figures of the Accountant-General.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), Forest No. 251, dated 23rd November 1906.

The Hon'ble Mr. C. J. WEIR.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1906.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. C. E. Brasier, the senior Conservator of Forests now on duty.

3. The officers of the Controlling staff have with few exceptions worked very satisfactorily. The progress made towards the abolition of the permit system and the consequent opening of depots to supply the local needs of the people has entailed much extra work on all officers in charge of divisions.

The Conservators of the Central and Southern Circles, in addition to their ordinary work, sat for about 6 weeks at the close of the year on a committee for the revision of the Forest Code. Their experience in the working of the existing Code enabled them to make many valuable suggestions which have been embodied in the draft Code, which will be shortly submitted to Government.

Mr. Lushington, Conservator of Forests, Northern Circle, has had very arduous work in connection with the many developments in his circle, particularly those in Kurnool and Bellary.

Among the District Forest-officers, Messrs. Wood and Rama Rao have done particularly good work in the Nallamalais in Kurnool, amid very trying surroundings, and the Board hopes that their efforts have gone far towards solving the difficult question of the effective protection of these forests.

Of the remaining District Forest-officers, Messrs. Cox, Aitchison, Cowley-Brown, Saiyid Burhan-ud-din and Latham are specially mentioned for good work, but the Conservators speak with satisfaction of the work of most of the District officers.

The Board will call for an explanation from Mr. J. Tapp, the officer who is held largely responsible by the Conservator for the destructive fires in the Vizagapatam district.

(True Extract.)

F. B. EVANS,
Ag. Secretary.

To the Secretary to Government, Revenue Department, with three copies of the report.

Order—No. 145, Revenue, dated 21st January 1907.

Forest No. 9.

The report on the administration of the Forest Department in the year ending 30th June 1906, which has been prepared as usual by the senior Conservator, will be recorded with the following brief remarks.

2. *Extension of forest area.*—There was a net addition of 181 square miles to the area of reserved forests during the year, but the extent of reserved lands decreased by 222 square miles to 1,297 square miles, made up of 919 square miles notified under

section 4 and 378 square miles notified under section 26 of the Forest Act. The net result of these changes was that the total area under the control of the department fell during the year from 19,626 square miles to 19,585 square miles.

3. *Forest settlement.*—The progress made in forest settlement was on the whole better than in the previous year. Including 32 blocks newly selected for reservation during the year, 142 blocks measuring 1,142 square miles awaited settlement. Of these, 58 blocks covering an area of 188 square miles were constituted reserved forests and allowing for lands abandoned or excluded at settlement as well as for a decrease of 4 square miles due to the adoption of revised areas, 81 blocks aggregating in area 919 square miles remained to be declared reserved forests at the end of the year. It is reported, however, that 39 square miles have since been reserved and that the settlement of 802 square miles is practically complete so that only 78 square miles remain to be settled. It appears doubtful whether the expression "practically complete" can be interpreted literally. In the administration reports of the years 1903–1904 and 1904–1905 the settlement of 265 square miles and 316 square miles respectively was returned as practically complete but in the past two years only 411 square miles have actually been settled. The Government, however, trust that the settlement of these 802 square miles will be brought to a successful conclusion in the near future and that the end of these long protracted operations is at last really in sight. In addition to the 78 square miles mentioned above, 184 square miles of reserved lands in Vizagapatam and South Canara and 92 square miles of unreserved lands in Anantapur and North Coimbatore or 354 square miles in all awaited settlement at the close of the year.

4. The period of the special duty of the two Special Forest Settlement Officers expired on March 31st, 1906, and in all districts save one the forest settlement work still to be done has been entrusted to Divisional officers (G.O., No. 395, Revenue, dated 2nd May 1906). The exception is the district of South Canara where, on account not only of the number of blocks requiring settlement but also of the peculiar difficulties of the work, it was considered advisable to depute from the Indian Civil Service an officer for Forest Settlement work.

5. When all settlement operations have been completed, the total area of reserved and systematically protected forest in the Presidency will amount approximately to 20,000 square miles, or about one-seventh of the gross area of the Presidency excluding the great feudatory states. Madras shows a larger proportion of forests to total area than any of the other provinces of India except Burma, the Central Provinces and Assam. The comparison which is instituted in paragraph 2 of the report between Madras and European countries ignores the essential differences in conditions, which invalidate any deductions from such a contrast; and the statement that rainfall increases 23·9 per cent. and upwards in forest areas is based on insufficient data and cannot be accepted as a fact either well known or proved. It may, perhaps, be that the conservation and extension of forest areas does tend both to increase the rainfall and to benefit surrounding areas by increasing the retention of moisture in the soil and reducing floods and denudation. But more convincing proofs must be obtained before such a dogmatic statement as that made by the Conservator can be accepted.

6. *Demarcation and forest survey.*—Six hundred and eight miles of boundary lines were demarcated during the year, the outturn being below, and the cost above, the average. Only 965 miles still remain to be demarcated and the Government trust that the work will be completed during the current year. From the point of view of survey, the year was marked by an important conference held at Bangalore to discuss the future programme and scale of forest surveys in this Presidency. The proposals of the conference were accepted by Government in G.O., No. 60, dated 12th January 1906. The most important question discussed was that of the scale on which topographical maps of forests should be prepared and the Government accepted the unanimous opinion of the conference that a 2-inch scale will suffice for the purposes of forest administration and approved of its adoption except in Ganjám where the survey of the forests will be completed on the 4-inch scale. A Survey of India party continued to work in the Presidency, and a certain amount of departmental survey was also done. At the end of the year, 1,062 square miles or 5·8 per cent. of the forest area still remained to be surveyed.

7. *Working-plans.*—The progress made in the preparation of working-plans was disappointing. During the year plans for only 110 square miles were sanctioned by the Board and plans for 1,064 square miles were under preparation. The reasons assigned for this extremely short outturn are the fact that no special officers were at work, except for six months in the Southern Circle, and the extension of the departmental system of working in many districts and the consequent increase of the District Forest Officers' ordinary work. Plans have still to be drawn up for 9,723 square miles or nearly half the forest area and the districts of Cuddapah, East Kurnool, North Coimbatore and Guntúr are especially backward in this respect. It is also reported that the revision of several sanctioned plans is necessary. The Government attach great importance to the systematic exploitation of forests in accordance with carefully prepared working-plans, and regard with concern the slow progress made in their compilation. They have recently received a separate report from the Board upon the subject, the orders on which will shortly be issued.

8. *Communications and buildings.*—The outlay on communications and buildings (Rs. 1,44,798) was far in excess of the average for the preceding three years, the increase being especially noticeable in the expenditure on buildings. The mono-rail tramway in Gódávari was worked at a profit of Rs. 792, the cost per ton-mile being less than half of the estimated charges of carriage by coolies instead of being nearly twice as great as in the previous year. In South Coimbatore the total quantity of timber transported by tramway (1,612 tons or 7,660 ton-miles) exceeded the figures recorded for the preceding three years, but the tramway continued to be run at a small loss. The profits resulting from the use of the tramways in Nellore were less than usual owing to the diminished yield of the compartments exploited during the year in the Coast range.

9. *Forest offences.*—The number of new cases rose from 21,930 in 1904–1905 to 2[illegible]21, the increase occurring mainly in offences against the grazing rules. Six per cent. of the gross number of offences reported remained undetected, 28 per cent. were carried to Court and 66 per cent. were compounded. 89·17 per cent. of the cases taken to Court ended in conviction. While forest crime showed an increase of 708 cases over the average of the preceding three years, the proportion of convictions was less than in any of those years. Fires naturally contributed a large proportion of the undetected cases. As usual they were especially numerous in the district of North Arcot. The number of cases compounded and the amount of fees realised therefrom showed a marked increase on the corresponding figures for the previous year.

10. *Fire protection.*—The area which the department attempted to protect from fire was extended in the year from 6,509 square miles to 7,208 square miles. Protection was successful in respect of 6,772 square miles, but the great improvement shown in 1904–1905 was not maintained, and the proportion of failures rose from 2·4 per cent. to 6 per cent. The system of burning under departmental control not only as a measure of protection but also as a means of promoting a growth of new grass was tried in the Cuddapah district. The cost per square mile was less than in the ordinary system, but the proportion of failure (10 per cent.) was high and the results were not altogether satisfactory. The Government note with pleasure the success of the protective measures adopted in East Kurnool which was due mainly to the policy of securing the co-operation of the Chenchus in putting out fires. In Vizagapatam, on the other hand, where the Extra Assistant Conservator is alleged to have aroused the antagonism of the villagers by apathy in disbursing rewards, several destructive fires took place and the Government desire once more to lay stress upon the great importance to successful fire protection of enlisting the sympathy and co-operation of those who make use of the forests.

11. *Protection from cattle.*—A further reduction took place in the area closed to all animals, 1,503 square miles or 8 per cent. of the total forest area being closed against 1,728 square miles, the average for the preceding three years. The policy of excluding goats from reserved areas was continued in the majority of districts, but the area opened to browsing was nearly doubled in the course of the year, goats being permitted to browse in nearly 9 per cent. of the forest area. The number of animals impounded (230,796) was almost the same as last year, and far less than the average (280,234) for the past three years.

12. *Protection against injuries from natural causes.*—Very serious injury was done to the casuarina plantations in the Northern and Central circles during the year by the fungus *Trichosporium vesiculosum*, and no effective remedy seems yet to have been discovered. The spike disease affected the sandalwood trees in North Coimbatore severely, and here too both the cause of the disease and its cure have hitherto defied detection.

13. *Sylviculture.*—Natural reproduction from seed was hampered, except in the West Coast districts, by the unfavourable character of the season, but was on the whole satisfactory. Perhaps one of the most noteworthy features of the year was the natural regeneration of mahogany in South Malabar, and the spread of teak in the Railway working circle of Kurnool East is reported to have been most encouraging.

14. Cultural operations of the usual kind were continued throughout the year, and there was a net increase of 2,231 acres in the area planted up artificially, which now stands at 33,933 acres. In South Malabar 120·30 acres were planted up with teak in the Karimpoya reserve, and casuarina plants were put down in large areas both in the Northern and Central circles. Experiments were made in a few districts on a limited scale to cultivate shrubs, plants and trees yielding leaf manure. The Government have received a separate report upon the subject from the Board of Revenue, and have already recorded their regret at the very small measure of success that attended these efforts and their opinion that the matter should receive more systematic and earnest attention from the officers of the department (G.O., No. 1169, Revenue, dated 26th November 1906). Steady progress was made during the year in the substitution of located fellings in conjunction with depots in place of the permit system, and the Government hope that this measure will not only enable the Forest officers to exercise a better check over removals of produce but will also result in time in a more economical working of the forests.

15. Experiments with various exotics were carried on in many districts, but the results were mainly negative. The growth of mahogany, especially *Swietenia macrophylla*, is promising in South Malabar, but the seedlings have many enemies to contend with, the most destructive being deer and sambhar. Para rubber (*Hevea Braziliensis*) appears to do fairly well in South Canara, but the experiments with *Ceara* proved a failure. The prospects of introducing camphor seem to be bright.

16. *Working and outturn.*—The forests continued to be worked for the most part through the agency of private purchasers, unregulated fellings being, as usual, confined to unreserved areas and the extraction of inferior produce to meet local demands. But a feature of the year was the continued expansion of the departmental system of exploitation, the total value of departmental extractions aggregating Rs. 9,73,722 or Rs. 2,66,736 more than last year. The total output of the forests was $2\frac{1}{2}$ million cubic feet of timber, 20 million cubic feet of fuel and 30 million bamboos. There was a decrease under all these heads, but the value of the minor produce extracted showed an increase. Hay-making experiments were continued, but they were hardly a success.

17. *Financial results.*—The total receipts for the year increased by rather more than 7 per cent. to Rs. 30,36,892 and the expenditure by 11 per cent. to Rs. 23,16,731. The net profit of the year (Rs. 7,20,161) was less by Rs. 25,901 than in the previous year and was below the average of the five preceding years (Rs. 7,49,127) by Rupees 28,966. The Government consider that a part of this considerable surplus should be invested in the development of the department, a subject which will again be referred to in connection with remarks on establishment below. The large increase of expenditure was mainly due to the extension of the departmental system of working. Collections during the year were good. The year opened with an arrear balance of Rupees 1,64,227 and the current demand amounted to Rs. 30,48,766. Of the total of Rs. 32,12,993, Rs. 30,36,892 or 94·5 per cent. were collected, Rs. 144 were written off and a balance of Rs. 1,75,957 remained outstanding.

18. *Establishment.*—The most important administrative changes during the year were the division of the Cuddapah and Gódávari districts into three and two forest charges respectively, and the formation of additional ranges in Bellary and North Coimbatore. There were two casualties in the controlling staff, Mr. H. A. Gass and

one Extra Assistant Conservator retiring in the course of the year. No Assistant Conservators were posted to the Presidency, and there are now three vacancies in this grade of the Imperial staff. The attention of Government of India has been drawn to the urgent need, in the interests of efficient administration, of filling these vacancies at the earliest possible date. The administration report is a record of progress hampered in almost every direction by lack of staff. The sanction of the Secretary of State has just been received for the entertainment of additional Rangers, and the strengthening of the Upper Controlling staff is equally necessary as a complement to this measure. At present it barely suffices to fill the existing major charges, some of which the Government consider too heavy for one man efficiently to administer, and its inadequacy is illustrated by the fact that the Board of Revenue has found it impossible during the greater part of the year to find an officer for the important duty of preparing working-plans.

19. In spite of the difficulties with which it has had to contend, however, His Excellency the Governor in Council considers the department maintained on the whole its high standard of efficiency during the year. He desires to place on record his appreciation of the good work done by most of the District officers, but he regrets that the conduct of the subordinate executive staff is reported to have displayed little improvement.

(True Extract.)

A. G. Cardew,
Ag. Secretary to Government.

To the Board of Revenue (Land Revenue).
,, Accountant-General.

Copy to the Government of India, Department of Revenue and Agriculture, with C.L.

Editors' Table.

AGENTS FOR THE SALE OF MADRAS GOVERNMENT PUBLICATIONS.

IN THE EAST.

R. CAMBRAY & Co., Calcutta.
COMBRIDGE & Co., Madras.
HIGGINBOTHAM & Co., Mount Road, Madras.
V. KALYANARAMA IYER & Co., Esplanade, Madras.
S. MURTHY & Co., Kapalee Press, Madras.
G. A. NATESAN & Co., Madras.
P. R. RAMA IYAR & Co., 192, Esplanade, Madras.
RALHABAI ATMARAM SAGUN, BOMBAY.
E. SEYMOUR HALL, Bombay.
* T. K. SITARAMA AIYAR, Kumbakónam.
D. B. TARAPOREVALA SONS & Co., Bombay.
TEMPLE & Co., Georgetown, Madras.
THACKER & Co. (Limited), Bombay.
THACKER, SPINK & Co., Calcutta.
THOMPSON & Co., Madras.

IN ENGLAND.

E. A. ARNOLD, 41 and 43, Maddox Street, Bond Street, W., London.
B. H. BLACKWELL, 50 and 51, Broad Street, Oxford.
CONSTABLE & Co., 10, Orange Street, Leicester square W.C., London.
DEIGHTON, BELL & Co., Cambridge.
T. FISHER UNWIN, 1 Adelphi Terrance, W.C., London.
GRINDLAY & Co., 54, Parliament Street, S.W., London.
HENRY S. KING & Co., 65, Cornhill, E.C., London.
P. S. KING & SON, 2 and 4, Great Smith Street, Westminster, S.W., London.
KEGAN PAUL, TRENCH, TRÜBNER & Co., 43, Gerrard Street, Soho, W., London.
B. QUARITCH, 11, Grafton Street, New Bond Street, W., London.
W. Thacker & Co., 2 breed lane, E.C., London.

ON THE CONTINENT.

FRIEDLÄNDER & SOHN, 11, Carlstrasse, Berlin.
OTTO HARRASSOWITZ, Leipzig.
RUDOLF HAUPT, Halle-a-S, Germany.
KARL W. HIERSEMANN, Leipzig.
ERNEST LEROUX, 28, Rue Bonaparte, Paris.
MARTINUS NIJHOFF, The Hague, Holland.

* Agent for sale of the Legislative Department publications.